

# Aabling Boyce Seed Co.

SUCCESSORS TO

Aabling

Ebright

DUPLICATE

Seed Co.

Royal  
Purple

1916

TESTED  
SEEDS

89 Pike St.  
Seattle



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# Your 1916 Garden

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In presenting our Spring Catalogue to you, we do so with the first confidence which the steady growth in the number of customers and amount of business done justly warrants. We do not attempt to exploit that which we do not know the decided merits of; and where we have listed novelties of this year's introduction, they are from most reliable sources.

While we attribute our continued increased business to a selection and study of quality, efficient and prompt service, we are also glad to note the continued interest in gardening. Even our large cities have realized the importance of this, and have instituted the School Garden, where children learn to know and love flowers and vegetables.

Permit us to take this opportunity of thanking our many customers for their generous patronage in the past and of asking their continuance of the same.

**Send by Mail if You Cannot Get to See Us.** We will send you Seeds that have been saved with great care. You will be pleased with the crops and Satisfied With Our Prices.

**Use Our Order Blank if You Have One.** If you haven't one, use any plain paper.

**If You Live on a Rural Mail Route,** just give the letter and the money to the mail carrier and he will get the money order at the post-office and mail it in the letter for you.

**GUARANTEE.** We Guarantee All Shipments of Seeds, when remittance accompanies order, to reach the purchaser safely and in good condition.

**Change of Address.** If you have changed or intend to change your address, please let us know, and we will change it on our books, so that you will receive our Catalog at your new post-office. We thank you for doing this.

**Be Sure to Sign Your Name and Address.** If by boat or railroad to ship by, and if freight has to be prepaid add this amount to your order to prevent delay.

**AS TO WARRANTY, We Believe Our Seeds** will produce for you the best crops you have ever grown, but it must be agreed that we do not warrant crops grown therefrom, either expressed or implied, as to description, purity, productiveness or any other matter, and we will not be in any way responsible for them. If the purchaser does not accept our seeds, etc., on these terms they are at once to be returned and the money that has been paid for the same will be refunded. We appreciate your orders and they receive our prompt attention.

**If You Are Satisfied With Us,** with the goods you receive, the treatment we give you and your general business relations with us, will you do us the favor of mentioning the fact to some of your neighbors? If we can please you we can please others, and we assure you that we will be careful to make your friends more than satisfied with the experiment.

**Market Gardeners, Farmers' Clubs and Institutions** wanting to purchase Seeds in unusually large quantities should write for special prices. We have made prices very low in this Catalog, yet when a number of pounds are wanted we can frequently supply at lower price than by the single pound or bushel. In writing give us a list of quantities and varieties required and we will return list promptly with our lowest price for the lot.

**Always Remember That We Can Save You Money, No Matter Where You Live.** Write us about any seed you would like to know of, and your letter will be answered the same day it is received. If you wish to know exactly what the freight or express would be on any article to your station, write us and we will tell you.

**CHANGE OF NAME.** You will note we have made a change of the firm style, but it will not in any way affect the way we transact our business as the management remains the same as in the past.

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## TESTED SEEDS

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TREES : PLANTS : BEE AND POULTRY SUPPLIES

Everything for Your Garden

AABLING-BOYCE SEED CO.

89 Pike Street, Seattle, Wash.

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# USE THIS ORDER BLANK

Aubling-Boyce Seed Co. give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, plants or trees they send out, and will be in no way responsible for the crop. If the purchaser does not accept seeds on these terms, they are at once to be returned.

# AABLING-BOYCE SEED CO.

Successors to AABLING-EBRIGHT SEED CO.

## TESTED SEEDS

**89 Pike St.**

**SEATTLE, WASH.**

### Near Pike Market

Your Name (MR., MISS) OR MRS. _____		Date _____ 191____	
Street Address or No. Rural Delivery _____		Amount Enclosed	
Post Office _____		P.O. Order \$ _____	
County _____ State _____		Postage Stamps \$ _____	
Forward this Order by _____		Draft or Check \$ _____	
Station or Express Office _____ (Only if different from P.O.)		Coin - \$ _____ Our Order No. _____	

No matter how often you write us, always be careful to give full name and address. Write name **VERY PLAINLY**. State how to forward—whether by freight, express or mail.

**SEEDS POST PAID BY MAIL**

We mail and pay postage on all seeds in PACKETS, OUNCES and ¼ POUNDS purchased from this Catalog. Kindly include postage to cover on other orders.

[illegible]

## ORDER FOR SEEDS (Continued)

[illegible]

**SPECIAL NOTICE:** We shall esteem it a great favor if you will give us below, the **NAMES** and **ADDRESSES** of any of your friends that are interested in gardening. We wish to send them our **CATALOGUE**

[illegible]





PACKING GROUND, FOURTH AND VIRGINIA ST.



OUR NEW SEED WAREHOUSES

## Tested Vegetable Seeds



WE are offering the following list of specialties, all of which are especially adapted and best suited for your garden. These varieties are practically all improvements on older ones or new introductions which we have thoroughly tested out and will give you the results you desire. Other varieties are listed in the regular way.

Our seeds come from every seed-growing section of the globe, and selected by an expert who has spent his entire life as a seedsman. Our prices are as reasonable as we can make them, as cheap seeds are undoubtedly the most expensive as the cost of the seeds is always the smallest item.

We were very pleased with the large increase in our business last year as it demonstrated to us that our seeds were giving satisfaction, and we are looking for another increase this year. Give us a trial order, and be one of our satisfied customers.

# SPECIALS FOR 1916

## ASPARAGUS

**EXTRA EARLY PALMETTO**—Larger, earlier, more uniform in size; more prolific and disease-resisting than any other Asparagus grown. Seeds, Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 60c.

We would suggest that you purchase two-year-old plants of this variety; in this way you get away from the trouble of raising and gain two years in the growing. Doz. 35c, 25 for 50c, 100 for \$1.50.

## BEANS

**WASHINGTON DAVIS WAX**—An unrivaled Wax Dwarf or Bush Bean grown locally and the earliest wax podded variety we have. Symmetrical shape, prolific, stringless and attractive color and a favorite with the gardeners. It is thoroughly acclimated and it is our opinion that it will be quite a favorite. Pkt. 10c, 1 lb. 30c.

## BEETS

**CRIMSON GLOBE BEETS**—A fine shaped beet that is very popular amongst the gardeners in all sections of the country. It is medium size, fine shaped, with a smooth and even surface. The flesh is deep crimson and a fine color, tender and fine flavored when cooked. Pkt., 10c;  $\frac{1}{4}$  lb., 35c; 1 lb., \$1.00.

## CAULIFLOWER



## SNOWBALL

**COPENHAGEN SNOWBALL CAULIFLOWER**—Last year we sold five times more cauliflower seed than any previous season, because, the market gardeners have found out that our selected strain of Danish Snowball seed is as good as can be had. There is none its equal by reason of its compact, upright habit, quick growth and sure heading quality. This is not a summer or dry weather variety and must be sown early to get the best results. This is

without doubt the best cauliflower, perfect in size, color and quality. Pkt., 25c;  $\frac{1}{4}$  oz., \$1.50; oz., \$4.00. Plants in proper season, doz., 20c; 35 for 50c. See cut.

## CELERY

**GOLDEN SELF-BLANCHING CELERY**—Everybody can grow this variety and blanch it, too, in any ordinary soil. It is an early and the most successful variety we know. Pkt., 10c; oz., 50c;  $\frac{1}{4}$  lb., \$1.50.

Plants, doz., 20c; 36 for 50c.

## CORN

**GOLDEN CREAM OR YELLOW COUNTRY GENTLEMAN**—It is the most delicious sweet corn known, large ears, luscious, tender and milky, and remains "in the milk" longer than any other variety. Resembles the Golden Bantam in color but is a late variety and a fine one to end the season with. Pkt., 10c; 1 lb., 25c. We also have the regular Country Gentleman which is exactly the same only white seeded. Pkt., 10c; 1 lb., 25c.

**GOLDEN BANTAM** needs no introduction. Our stock will be the same selected strain we always have and it can't be beat for a garden corn. For sweetness or yield these two varieties will give you corn all season. Pkt., 10c; 1 lb., 25c.

## CARROT

**CHANTENAY CARROT**—We have always specialized on this particular carrot and have always used a selected strain of imported seed, thus assuring the rich, bright orange colored, juicy, sweet, crisp carrot much unlike the tough variety that is so common. It is a half-long variety, broad at the neck and tapers to a blunt base. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 50c; 1 lb., \$1.50.

## CUCUMBER

**DANISH PICKLING CUCUMBER**—A variety we introduced last year that produced fine results. It is the largest, finest cucumber we know for growing outside. It is prolific, hardy, and the fullest bearing variety we know. Pkt., 25c.

## LETTUCE

**NEW YORK LETTUCE**—This is the finest variety of head lettuce in the market and fastly taking the place of all others grown by the market gardeners. The heart bleaches beautifully and is crisp, tender and delicious. It roots deep and is thus able to resist hot, dry weather. It is grown extensively in all sections of the country as a standard summer variety. Pkt., 10c; oz., .25c;  $\frac{1}{4}$  lb., 75c.

## ONIONS

**AILSA CRAIG ONION**—A very large imported variety, rapidly gaining popularity in America. This is one of the largest of all varieties of onions which is used very extensively in private gardens for ordinary use and for exhibition purposes. It is a little flattened at the base and slightly pointed at the top. The skin when ripe is rather dark straw color, the flesh pure white, very mild in flavor and always quite tender. Pkt., 10c; oz., 40c.

Vegetable plants can be sent by mail. We guarantee good delivery



**CABBAGE****COPENHAGEN MARKET CABBAGE**

Finest Cabbage Grown

**COPENHAGEN MARKET.** Sold under all kinds of names, but the original stock can not be beat for an early, round-headed cabbage. It is the earliest of its shape, exceptionally large and heads very similar; has a short stem and but few outer leaves. It is recommended for the house and market gardeners' use. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 75c.

**DANISH BALDHEAD CABBAGE.** Selected stock seed, needs very little introduction, but it can't be beat for late cabbage. A fine keeper, heads large, solid, and when trimmed weighs at least one-quarter more than any other cabbage its size. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 75c. We can supply plants of either of these varieties. Doz., 15c; 25 for 25c; 100 for 75c.

**PARSNIP**

**NEW FRENCH INTERMEDIATE.** This is a new variety of very early production, fine texture and flavor. It is a short pointed variety, very heavy shoulder, and will ripen in 90 days in this locality. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c.

**PEAS**

**ALDERMAN.** A new pea like the telephone, only better. The vine is a large, quick grower, and pods always well filled with large peas. For a pea which is a tall one, there is none so good as the Alderman. Pkt., 10c; 1 lb., 30c.

**GRADUS OR PROSPERITY.** The earliest, largest, highly flavored pea grown. We have some extra fine local grown seed that will produce wonderful results. This, together with a later variety, should be planted in every garden. Pkt., 10c; 1 lb., 30c.

**POTATOES**

**SENSATION**—We have sold this variety for three years and have had the finest reports from parties to whom we have sold them. It produces an extremely large crop of medium large, slightly flattened tubers, smooth, white skinned and very attractive in appearance. Per lb., 5c; 25 lbs. for \$1.00; 100 lbs., \$4.00. (Include postage or we will send by express or freight).

**RADISH**

**WHITE TIPPED EARLY SCARLET TURNIP RADISH.** This is the most popular variety of all amongst private gardeners. It is a most satisfactory sort in every respect and surpasses as a table radish. The flesh is crisp, white and tender, and very mild. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; 1 lb., 60c.

**SAKURAJIMA.** A Japanese variety, grows to enormous size, often 12 inches long. Pure white and flesh is always mild, crisp and tender. The Japanese gardeners make a specialty of growing them. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 60c.

**TURNIP**

**PETROWSKI.** The earliest and best golden yellow turnip. Resembles the Golden Ball, but is sweeter and comes earlier. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; 1 lb., \$1.00.

**TOMATO**

**EARLY SUNRISE.** The very earliest and best variety for outdoor culture. The plant is strong in constitution and is the heaviest cropper of all the new sorts. It produces bunches of ten to fourteen tomatoes freely. The fruits are of medium size, perfectly round, smooth, and of the finest quality. Trade pkt., 25c.

**EARLY SUNRISE**

We want your business and will endeavor to please you



## AABLING-BOYCE SEED CO'S TESTED SEEDS



## Pot, Sweet and Medicinal Seeds

	Pkg.	Oz.	¼lb.		Pkg.	Oz.	¼lb.
ANISE. Seeds aromatic-----	\$0.05	\$0.10	\$0.25	ROSEMARY. Aromatic oil----	\$0.10	\$0.30	\$0.90
BORAGE. Leaves used as salad .05	.05	.15	.40	RUE. Medicinal qualities-----	.10	.30	.90
BASIL. Sweet for flavoring--- .05	.05	.15	.45	SAGE. Flavoring-----	.05	.15	.50
CARAWAY. For flavoring----- .05	.05	.10	.25	SUMMER SAVORY. Flavoring .05	.05	.10	.25
CHERVIL. Double curled----- .05	.05	.10	.25	SORREL -----	.05	.30	.90
CORIANDER. For flavoring--- .05	.05	.15	.45	SAFFRON -----	.10	.30	.90
CATNIP. Cat mint-----	.10	.40	1.00	TANSY. Medicinal-----	.05	.10	.25
DILL. For flavoring-----	.05	.10	.25	TARRAGAN. Roots-----	.10	.45	1.00
FENNEL. Sweet-----	.05	.10	.25	THYME. French-----	.10	.45	1.00
LAVENDER. Fragrance-----	.05	.10	.45	THYME. German-----	.10	.45	1.00
MARJORAM. Sweet-----	.05	.15	.45	WOODRUFF -----	.15	.60	---
MINT. Peppermint, 100 seeds-----			.15	WORMWOOD. Medicinal-----	.05	.20	---
MINT. Spearmint, 100 seeds-----			.75				

**ARTICHOKE**

Sow the seed early in May and transplant into rows 3 feet apart in deep, rich soil. Protect during winter.

**FRENCH GREEN GLOBE.** Pkg., 5c; oz., 35c.

**JERUSALEM or TUBEROUS ROOTED.** Grown especially for hog feed and often yields 20 tons to the acre. Per lb., 20c postpaid; 100 lbs., \$4.00 by freight.

**ASPARAGUS**

Sow one ounce for 60 feet of drill. When two years old transplant into permanent beds which should be well and deeply manured to the depth of two feet. Set the plants from 3 to 4 feet apart and 2 feet in the row, spreading out the roots and covering from 6 to 8 inches. On the approach of winter cover with manure.

Fork the bed early in the spring and apply a dressing of salt. Cut for use the second year after planting in permanent bed.

**COLUMBIA MAMMOTH WHITE.** Producing large white shoots in abundance of extra fine quality. Pkt., 10c; Oz., 15c.

**CONOVER'S COLOSSAL.** A standard white variety that is used exclusively for canning. Pkt., 10c; Oz., 15c.

**PALMETTO.** Very large early and prolific green variety. The one mostly planted. Pkt., 10c; Oz., 15c.

**ASPARAGUS ROOTS**

Large vigorous two year old roots of Palmetto and Colossal varieties always on hand. Best results are obtained by planting in February. Postpaid, 25c per doz.; \$1.00 per 100.

# BEANS

## DWARF OR BUSH, GREEN PODDED

Beans require a light friable soil, with plenty of moisture, and they are very sensitive to frost. They should not be sown earlier than April. In the garden the soil should be made mellow and rich, and all pole varieties should be provided with poles or a trellis on which to climb.

For a garden crop plant string beans in a succession every four weeks throughout the season. Sow in rows 18 inches to 24 inches apart and cover from one to two inches deep but not more. Keep the pods picked and the vines well watered and the beans will continue bearing much longer than if vines are allowed to become dry.

**DWARF HORTICULTURAL.** A very vigorous variety with large leaves; used as a shell bean, green or dried. Pods are of medium length, slightly curved, and when nearly ripe are striped and splashed with crimson on yellowish-brown; seed pale pink, splashed with bright red. Packet, 10c; lbs., 30c, postpaid. By express or freight, lb., 20c; 10 lbs., \$1.50.

**EARLY LONG YELLOW SIX WEEKS.** A long podded green variety. Plants strong and vigorous. Seeds long kidney shaped, light yellow. Pkt., 10c; lb., 25c, postpaid. 20c lb., 10 lbs., \$1.75, express or freight.

**REFUGEE or 100 TO 1.** A variety rather later than other green pods, plants large, strong, very hardy and a heavy yielder. Seeds yellowish heavily splashed with bluish-black. Pkt., 10c; 1 lb., 25c, postpaid. 20c lb., 10 lbs., \$1.50 by freight or express.

**ENGLISH OR BROAD WINDSOR.** This is not a string bean of any sort but a very well-known, popular variety with many farmers. Familiarly known as the Horse Bean. Pkt.,



Use  
Our  
Fertilizers

DWARF HORTICULTURAL.

10c; lb., 25c, postpaid. 20c lb., 10 lbs., \$1.50, by freight or express.

**EARLY RED VALENTINE.** A popular variety. Pods of medium size and length, practically stringless. Seed pink, marked with red. Pkt., 10c; lb., 25c, postpaid. 20c lb., 10 lbs., \$1.75, by express or freight.

**BURPEE STRINGLESS.** This variety produces an abundance of large, green pods, which are very tender and of excellent flavor. One of the earlier sort. Pods are long and slender. Pkt., 10c; lb., 25c, postpaid. 20c lb., 10 lbs., \$1.75, by freight.

**FREE.** One Fire King Gladiolus, 25c, and one Cactus Dahlia (our selection), 25c, with each order for \$1.00 worth of Garden seeds.

Use our Sweet Pea Fertilizer. It will produce wonderful results



## DWARF OR BUSH WAX PODDED

**WARDELL KIDNEY WAX.** Most popular of all varieties for either market or home use. Matures in five to six weeks. A strong, vigorous grower and bearing heavy crops. Pkt., 10c; lb., 30c, postpaid. 25c lb.; 10 lbs., \$2.00, by freight or express.

**SUPERIOR GOLDEN WAX.** An old, well-known variety that does especially well in this section of the country. Pods long, semi-round, golden yellow in color. Pkt., 10c; lb., 30c, postpaid. 25c lb.; 10 lbs., \$2.00, by freight or express.

**GERMAN BLACK WAX.** A favorite main crop wax variety. They are solid and tender. A great producer and one of the varieties we recommend for the home gardens. Pkt., 10c; lb., 30c, postpaid. 25c lb.; 10 lbs., \$2.00, by freight or express.

**DAVIS WHITE KIDNEY WAX.** This variety is the most hardy and productive of the wax beans. The one the market gardeners plant the most of and the finest flavored bean we know. Pkt., 10c; lb., 30c, postpaid. 25c lb.; 10 lbs., \$2.00, by freight or express.

## POLE OR RUNNING BEANS GREEN PODDED

**KENTUCKY WONDER.** The vine is vigorous, climbing well and very productive bearing, its pods in large clusters often reaching nine to ten inches in length. They are nearly round and very crisp when young. Pkt., 10c; lb., 25c, postpaid. 20c lb.; 10 lbs., \$1.50 by freight or express.

**WHITE CREASEBACK.** An early green podded variety. Pods five to six inches in length, deeply creased or saddle backed and born in clusters. Are very fleshy and stringless. Pkt., 10c; lb., 25c, postpaid. 20c lb.; 10 lbs., \$1.50, by freight or express.

**LAZY WIFE.** This sort is very popular, as its name indicates. A handful of choice stringless beans at a grab. The beans are white and make a fine bean for winter use. Pkt., 10c; lb., 25c, postpaid. 20c lb.; 10 lbs., \$1.50, by freight or express.

**FALL HORTICULTURE OR CRANBERRY.** An old favorite. Pods short, pale green, becoming splashed with brownish red. Valuable either green or dry shelled. Pkt., 10c; lb., 25c, postpaid. 20c lb.; 10 lbs., \$1.50, by freight or express.

**WHITE DUTCH CASE KNIFE.** A climbing variety with long, flat, irregular pods, which become creamy white as they mature. Seeds broad, flat and clear white. Pkt., 10c; lb., 25c, postpaid. 20c lb.; 10 lbs., \$1.75, by freight or express.

**SCARLET RUNNER.** Especially used as a flowering bean. Pkt., 10c; lbs., 35c, postpaid.

## LIMA BEANS

**DREER'S BUSH LIMA.** Very prolific, single plants often produce 150 to 200 pods. The beans grow close together and often produce five beans to the pod. Tender, sweet and very juicy. Pkt., 10c; lb., 30c; 10 lbs., \$2.00, postpaid.

**LARGE WHITE LIMA OR BUTTER.** A splendid pole variety, quite early, rich and fine flavored. Pkt., 10c; lb., 30c; 10 lbs., \$2.50.

**BURPEE BUSH LIMA.** The best late variety. Plants eighteen to twenty-four inches high, very prolific. Will bear until stopped by frost. Pkt., 10c; lb., 30c; 10 lbs., \$2.50, postpaid.

**HENDERSON'S BUSH LIMA.** The earliest variety of lima bean, being two weeks earlier than any other we have. Beans are small. We recommend this very highly. Pkt., 10c; lb., 30c; 10 lbs., \$2.50, postpaid.

Having spent practically all my life in the Seed Business, many of the old settlers in Seattle and surroundings who dealt with us twenty years ago and more, are still our customers.

If you have not tried us yet, send us an order now, and we will do our utmost to give you satisfaction in reliable goods and prompt service.



## Table Beets



### TABLE VARIETIES

**CULTURE.** The ground for beets should be rich and well spaded. In this latitude beets are sown in April and May and from August until December. Some market gardeners sow them every month in the year. Seed should be soaked twelve hours before planting. This softens the seed germ and allows the seed germ to germinate quicker. Sow in drills and thin out. Do not plant too early.

**CROSBY'S EGYPTIAN.** A round type of Early Egyptian and the best known and most popular variety, is very early and of fine quality. Bright red. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**DETROIT DARK RED.** A blood red early turnip shaped variety. Has small tops, skin and flesh dark red, very tender and sweet. A particularly desirable sort for market gardeners. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**EARLY ECLIPSE.** A fine early table beet. Sweet and crisp, of remarkable fine form, smooth and free from stringy roots. Color deep red, which it retains after cooking. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**IMPROVED EARLY BLOOD TURNIP.** Deep red, smooth, uniform size and of excellent quality. One of the best for main crops, as it keeps in condition longer than the other kinds. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**EXTRA EARLY EGYPTIAN.** An old standard sort, both for market gardeners and family use. Produces fine, smooth, deep red roots and about ten days earlier than the Blood Turnip. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**EDMONDS EARLY BLOOD TURNIP.** A market gardener's strain, regular in shape, round and has a very small top root; flesh a deep blood red, sweet and tender. One of the very best varieties for this section of the country. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**HALF LONG BLOOD.** A half long variety, about eight inches long and tapering abruptly. Very rich, deep red flesh of fine quality. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c; 10 lbs., \$6.00.

**CRIMSON GLOBE.** See specials.

**LONG SMOOTH RED.** An excellent late variety, being a great improvement on the common Long Blood. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c.

## Stock Beets

### SUGAR BEET

**GIANT HALF SUGAR GREEN TOP FOR FEEDING STOCK.** This new Sugar Beet gives nearly as large a yield of easily grown and harvested roots as a crop of Mangles, besides being much more succulent than the ordinary Sugar Beet. It grows well above the ground and is easily pulled. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c; 10 lbs., \$4.00.

### MANGEL WURZEL

For description and prices, see next page.



SLUDSTRUP.

You can't beat our seed and our prices are reasonable

# Stock Beets

## DANISH MANGEL WURZEL

### SLUDSTRUP

The Danish Government offers every year big prizes for the production of Beets. The above has taken first prize and has been proven to produce the best milk of any Mangel Wurzel yet grown, and is used more than any other Beet in Denmark. Our Seeds are grown by the old reliable growers, Daenfeldt, in Odense, Denmark, for us. Price: Per oz., 10c; per lb., 45c; 10 lbs., \$4.00. All Mangel postpaid.

**GOLDEN TANKARD MANGEL WURZEL.** Very large yellow fleshed variety. Giant oval shaped, small yellow stemmed top. This is undoubtedly one of the most profitable variety to grow for stock, as it is an enormous cropper. Try some of this variety. Oz., 10c; lb., 45c.

**GATE POST MANGEL.** A yellow skinned variety with white flesh mixed with yellow. Large and oval shaped. Oz., 10c; lb., 45c.

**MAMMOTH LONG RED MANGEL.** A particularly fine sort of Mangel. The roots attain enormous size, are smooth and regular in shape. Fine stock food. Oz., 10c; lb., 45c.



SWISS CHARD.

## SWISS CHARD

**ALL-THE-YEAR-ROUND SPINACH.** It is a variety of Beet, producing no bulb, only the tops, which boiled form delicious greens, better in taste than ordinary beet Greens or even Spinach. A quick grower.

**SILVER RIBBED.** Leaves yellowish white, curly, ribs silvery white. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

## BRUSSELS SPROUTS



Our Fertilizers have been tested by the state and the analysis is on each package —It will pay to use it.

**IMPROVED TALL.** Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

**HERCULES.** Semi-tall, new variety, closely set with solid sprouts of fine quality. Hardy sort, stands the winter admirably. Pkt., 10c; oz., 30c; ¼ lb., \$1.00.

## BROCCOLI

Should be treated the same as Cauliflower, which it resembles. In fact it is a coarse summer cauliflower, more divided in the head, grows larger and taller, is harder and easier to grow.

Plant and cultivate same as Cabbage or Kale.

**EARLY PURPLE CAPE.** Pkt., 5c; oz., 35c; ¼ lb., \$1.00; lb., \$3.00.

**EARLY WHITE.** Pkt., 5c; oz., 30c; ¼ lb., 85c; lb., \$2.50.

If you send east for your flower or garden seeds you are making a mistake. We can sell you as good



## CABBAGE

For very early use sow in January or February in hotbeds; prick out when plants are strong enough into other hotbeds; or sow in coldframes in March, transplant to the open ground when danger from killing frosts is passed, in rows two feet apart and eighteen inches in row. Cabbage succeeds best in a fresh, rich soil, well matured, and deeply dug or plowed. The late plants are subject to attacks of the cabbage-fly, which destroys them as fast as they appear above ground. To preserve the plants sprinkle them with wood ashes, air-slacked lime, slug-shot or tobacco dust early in the morning while the plants are wet with dew.

### EARLY VARIETIES

**COPENHAGEN MARKET.** The finest early cabbage grown. See Specials.

**EARLY JERSEY WAKEFIELD.** A leading early variety, and one of the best for private or market gardener's use; conical shaped and good quality. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c.

**EARLY WINNINGSTADT.** Conical shape of fine flavor and quite early. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 60c.

**EARLY YORK**—An extra fine early solid head variety. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 60c.

### SUMMER VARIETIES

**BURPEE'S SUREHEAD.** Large, round, slightly flattened heads, hard and firm. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 60.

**DANISH SUMMER.** The best second early variety and one that takes little care and does well under any conditions. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 60c.

**HENDERSON'S EARLY SUMMER.** A splendid second early cabbage, large, round, flat heads and one that is very widely known. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 60c.

### LATE VARIETIES

**DANISH BALDHEAD OR HOLLANDER.** The best late cabbage and one that will keep. See specials.

**LATE FLAT DUTCH.** An easily grown late cabbage, large, round, solid heads that keep very well. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 60c.



### DRUMHEAD SAVOY

**PERFECTION DRUMHEAD SAVOY.** Possessing the rich flavor of the Cauliflower. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c.

### RED CABBAGE

**MAMMOTH ROCK RED.** The largest and most solid of the red varieties. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., \$1.00.

**CABBAGE PLANTS.** See Roots and Plants.

### CAULIFLOWER



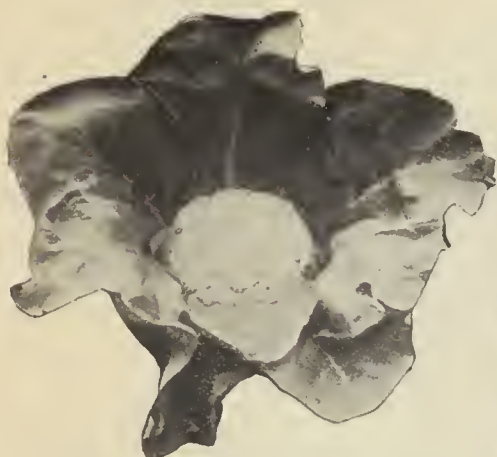
**VELTCH'S AUTUMN GIANT.** One of the finest late varieties, of robust habit; heads large, compact and thoroughly protected by the leaves. Pkt., 5c; oz., 50c;  $\frac{1}{4}$  lb., \$1.50.



**DANISH BALDHEAD**  
The Best Late Cabbage

Use our Sweet Pea Fertilizer. It will produce wonderful results



**CAULIFLOWER****EXTRA EARLY DWARF ERFURT**

**EXTRA EARLY DWARF ERFURT.** One of the best for forcing and the open ground. True stock. Pkt., 10c;  $\frac{1}{2}$  oz., \$1.25; oz., \$2.00.

**COPENHAGEN SNOWBALL.** See Special.

**CELERIC****CELERIC**

**CELERIC OR TURNIP ROOTED CELERY.** Giant, smooth Prague. The best variety. Forms a good root, often 4 inches in diameter and globular. Pkt., 5c; oz., 35c.

**CELERY****WHITE PLUME, SELF-BLANCHING.**

One ounce will produce about 2,000 plants.

Sow the last of March or early in April, in an open border, in rich, mellow ground, in shallow drills, watering freely in dry weather. By rolling or pressing in the seed the result will be more satisfactory than when covered. Cut the tops off the seedlings once or twice before planting out, to make them stocky. When the plants are 5 to 6 inches high, transplant the dwarf varieties 3 feet and the taller sorts 4 feet between the rows; plant 6 inches apart in the rows. Cultivate well, and when large enough blanch by earthing up.

**NEW GOLDEN SELF-BLANCHING CELERY.** This variety is now the leading sort in all markets as an early Celery. The handsome color, crispness, tenderness, freedom from stringiness and nutty flavor makes it only necessary to be tried in order to establish it as the standard of excellence as an early sort, Pkt., 5c; oz., 50c;  $\frac{1}{4}$  lb., \$1.50.

**IMPROVED WHITE PLUME CELERY.** The Golden Self-Blanching naturally turns yellow, but this one turns white. Well grown White Plume is simply perfect, both in palatability and beauty, and is the earliest Celery in cultivation. Our strain is extra choice, none better. Pkt., 5c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25.

**GIANT PASCAL CELERY.** Best for winter use. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c.

**GOLDEN HALF CELERY.** Stalks large and full; the heart is golden-yellow. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c.

**NEW ROSE, HENDERSON'S.** A splendid variety for late use and an excellent keeper. The color is a beautiful shade of rose, and like all red Celeries, of exceptionally fine flavor; solid, crisp and stringless. Oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.00.

**CHICORY**

**CHERVIL.** An excellent plant for garnishing; resembles parsley and used in the same manner. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c.

**CHIVES**

See Plants and Roots.

## CUCUMBER



One ounce of seed will plant 50 hills; 3 lbs. to the acre. Matures from 36 to 50 days.

**CULTURE.** For early use, plant as soon as the ground is warm, in hills 4 to 6 feet apart each way, eight to ten seeds in a hill. Cover half inch deep. When danger of insects is past, thin out the plants, leaving five or six of the strongest in each hill.

**IMPROVED ARLINGTON WHITE SPINE.** The advantages claimed for this variety are improvement in shape, color, carliness and shipping qualities. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

**IMPROVED LONG GREEN.** Grows 10 to 12 inches long, but makes fine pickles when young; the full sized fruits are best for sweet pickles and slicing. Dark green in color, firm and crisp; quality excellent. A great bearer. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

**BOSTON PICKLING.** Short, smooth and pointed; bright green; great yielder; one of the best for pickling. Pkt., 5c; oz., 10c; lb., 75c.

**DANISH PICKLING CUCUMBER.** See Specials.

**NOAS CUCUMBER.** This is an improved type of cucumber, that is the best variety for forcing we know. The seeds are guaranteed to be greenhouse grown, have reached the highest grade of quality and are given the very best of satisfaction. It is the best producer we have and a cucumber that will bring great returns. Trade Pkt., 50c; 100 seeds, \$1.50.

**WHITE TULLGARN CUCUMBER.** This is the best white cucumber for forcing in the greenhouse or growing in frames. A prolific grower and bountiful producer. Convince yourself of its good qualities by giving it a fair trial. Trade Pkt., 25c; 100 seeds, \$1.00.

**WEST INDIA GHERKIN.** The only genuine Gherkin. Small, oval, covered with spines; light green. For pickling exclusively. Pkt., 5c; oz., 15c; lb., \$1.00.

**JAPANESE CLIMBING.** A real climber. Comes into bearing quickly and sets its fruit constantly throughout the season. The fruit is of extra quality, and of a dark green color. A prolific yielder and a desirable table variety. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**COOL AND CRISP.** A fine garden Cucumber, deep green and crisp. It is of the White Plume Spine type. Very prolific. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c.

**DAVIS PERFECT.** A type of white spine which is certain to meet with favor either for forcing or open ground culture. It is a handsome, extra long Cucumber, delightfully flavored, and retains its deep glossy green color until near maturity. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

## CRESS

**FINE CURLED (Pepper Grass).** Leaves finely cut or curled like parsley. Used in salads. Pkt., 5c; oz., 10c.

**TRUE WATER.** Thrives only when roots and stems are submerged in water. Used for garnishing and in salads. Pkt., 10c; oz., 35c.

## COLLARDS

It is a specie of the Cabbage and the flavor is the same. Used especially in the South for greens. Pkt., 5c; oz., 10c.

We make special prices to market gardeners on Peas in 100-lb. lots



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CHANTENAY

One ounce to 100 feet of row.

A light, loamy soil that has been well manured the previous year is preferred from growing Carrots, although good crops may also be obtained from ordinary garden soil. For early use seed may be sown in hotbeds from January until March, and in the open ground as soon as the weather becomes warm and settled, usually in April. Sow seed one-half inch deep in rows fifteen inches apart, and later thin to five inches in the row. Keep soil between the rows well hoed and free from weeds.

**CHATENAY.** See Specials.

**IMPROVED DANVERS HALF-LONG.** An improved type of the Danvers Half-Long. The roots are smooth, bright orange and of handsome appearance. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 60c; 10 lbs., \$5.00.

**LONG ORANGE.** Popular for farm use on deep, mellow soil. Our stock is an improvement obtained by years of careful selection of the best formed and deepest colored spots, which grow to a large size, some specimens averaging twelve inches in length. Enormous crops can be grown under fair culture; one of the best varieties for feeding stock. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**PARISIAN FORCING.** Extremely early, of small size but very sweet, tender and beautiful orange red color. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**GUERANDE, OR OXHEART.** A short, thick Carrot not exceeding four inches in length and about the same in width which does quite well on hard, heavy soils where the longer varieties are useless. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 60c; 10 lbs., \$5.00.

## STOCK CARROTS

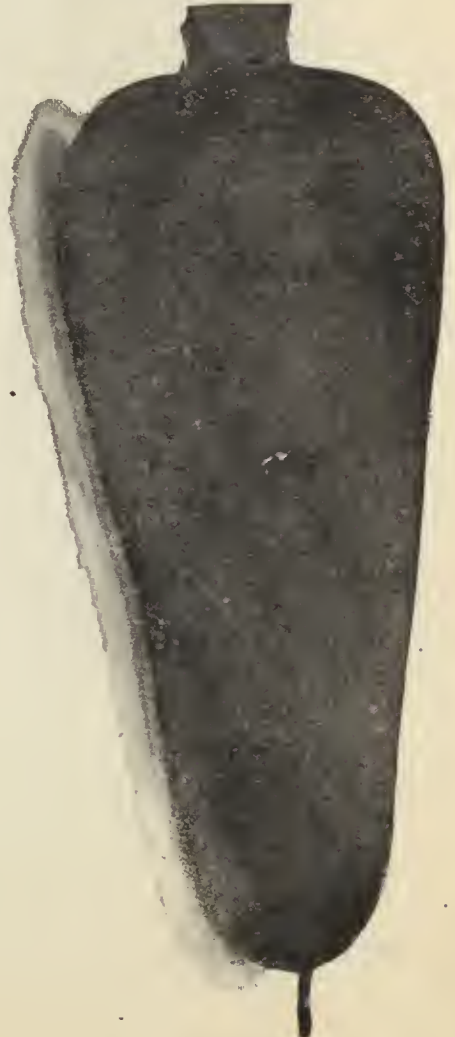
**YELLOW BELGIUM.** Long yellow roots; good keeper. Oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 65c.

**IMPROVED SHORT WHITE.** Ranks as a field Carrot, owing to its enormous productiveness and the ease with which it can be harvested. Roots half long, smooth, very heavy at the shoulder, but tapering regularly to the point; color, light green at the crown, white below; flesh, rich, white, solid, crisp and of excellent flavor. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 65c.

**LARGE WHITE BELGIAN.** Extensively grown for stock feeding; very productive. Grows so much above ground that the entire

crop can be pulled by hand. Oz. 10c;  $\frac{1}{4}$  lb., 25c; lb., 60c.

**HALF-LONG NANTES (Stump-Rooted).** This favorite first early sort has a rich reddish color, is equal to any in sweetness and one we recommend for the home garden. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 60c; 10 lbs., \$5.00.



DANVERS HALF-LONG



**SWEET OR TABLE VARIETIES**

Write for prices on large quantities.

**CULTURE.** Corn can be sowed in hills three feet apart each way, or in drills four to four and a half feet. If sowed in hills 8 to 10 pounds are required to plant an acre, and if sowed in drills, it takes from 15 to 20 pounds. The soil must be rich and the seed not covered more than one inch, and not sowed before the ground is warm. Four to six kernels are dropped into a hill. The young corn must be hoed often, drawing the soil to the stems and breaking off side shoots.

**GOLDEN BANTAM**

**GOLDEN BANTAM (New).** The stalks are vigorous and strong; grow about 4 feet high and produce 3 to 4 fine eight-rowed ears 6 to 8 inches long. On account of its firm texture it can be planted earlier than any other variety of Sweet Corn and is less apt to be bothered by worm. Pkt., 10c; ½ lb., 15c, postpaid. By express or freight, lb., 20c; 10 lbs., \$1.75.

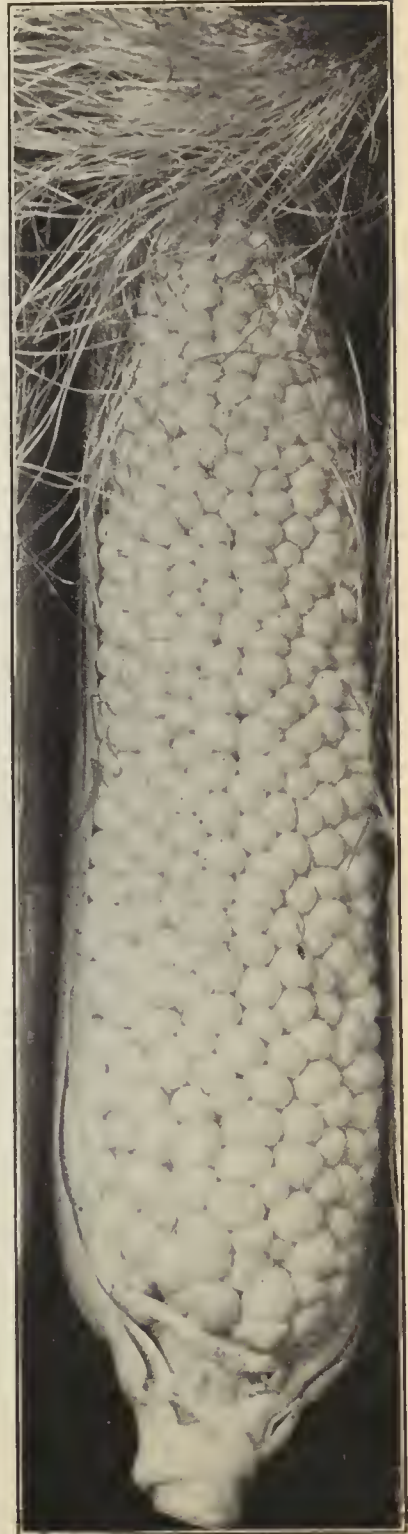
**WHITE COB CORY.** For a strictly early for first market and home use, you can't be far wrong with White Cob Cory. We offer northern grown extra early matured seed. Pkt., 10c; lb., 25c; postpaid. By express or freight, lb., 15c; 10 lbs., \$1.25.

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Country Gentle-Man or Shoe Peg, one of the late varieties. Has a long white cob closely filled with long small shoe peg kernels. It is remarkably fine flavored and sweet.

Pkt. 10c lb  
25c post-  
paid by  
express or  
freight.

Lb. 20c,  
10 lbs.,  
\$1.75.

**COUNTRY GENTLEMAN**

# CORN

## SWEET OR TABLE VARIETIES—(Continued)

**PEEP O'DAY.** This is the earliest corn we have to offer; not only early, it is exceedingly sweet, juicy and tender. It is a large producer and a variety we recommend very highly. Pkt., 10c; lb., 25c, postpaid. By freight or express, lb., 20c; 10 lbs., \$1.75.

**STOWELL'S EVERGREEN.** This is a late variety that should be planted to insure corn all through the summer. It is a good strong growth, ears long and firm and keeps a remarkably long time. Pkt., 10c; lb., postpaid, 25c. By freight or express, lb., 20c; 10 lbs., \$1.75.

**EARLY MINNESOTA.** A standard early sort of excellent quality and especially desirable here, where the season is short. The ears bear 8 to 10 rows of large white grains and is very productive. Pkt., 10c; lb., postpaid, 25c. By freight or express, lb., 20c; 10 lbs., \$1.75.

**CORY EARLY RED COB.** One of the best extra early varieties grown. Sweet and tender. The plants are stocky usually bearing 2 ears to a stalk. Pkt., 10c; 1 lb., 25c postpaid. By 20c lb., 10 lbs., \$1.75 by express.

**GOLDEN CREAM.** See specials.

**BLACK MEXICAN.** Medium early, ears well filled with large kernels, very sweet. Corn when ripe is black though white when green. Pkt., 10c; 1 lb., 25c, postpaid.

**CROSBY'S EARLY.** A second early variety. Producing the largest ears of any of the sweet corn. Is sweet, tender and makes a fine roasting ear. Pkt., 10c; 1 lb., 25c, postpaid.

## WASHINGTON GROWN FODDER Or ENSILAGE CORN

SEE FIELD SEEDS

### CORN SALAD OR FETTICUS

**LARGE LEAVED.** Very tender leaves which grow out rapidly after being cut. Pkt., 5c; oz., 10c.

#### ENDIVE

A salad vegetable which is becoming valuable for winter use. Best after few frosts.

**LARGE GREEN CURLED.** Leaves are quite broad, beautifully curled and for large flat heads which bleach readily to a creamy white. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.

#### EGG PLANT

Should be started under glass early in March and set out early. Does well in some localities.

**NEW YORK IMPROVED SPINELESS.** Grows to a very large size, very prolific and fine flavored. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

#### KALE OR BORECOLE

A specie of Cabbage, forming a mass of leaves. The leaves are cooked as greens. Should be planted late, as the cold weather improves it. It is hardy and will withstand cold weather.

**TALL GREEN CURLED SCOTCH.** Heads are formed on stocks two and a half feet high. Color bright green and leaves are exceedingly curly. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**DWARF GREEN CURLED SCOTCH.** Noted for its extreme hardness, dwarf, compact habit and extra fine curled leaves. Pkt., 5c; oz., 10c; ½ lb., 25c; lb., 75c.

**THOUSAND HEAD KALE** is almost indispensable as a green feed for stock and poultry through the winter. The plants are hardy and thrifty, producing a heavy tonnage per acre and may be left in the field until wanted for feed. It is an ideal feed for dairy cows. One pound will produce sufficient plants for one acre. 1 lb., 50c, postpaid.

### KOHL RABI

A plant forming a firm bulb above the ground and bearing short leaves. The bulb is the edible part and when cooked tastes similar to turnips.

**EARLY WHITE VIENNA.** The most desirable variety for general use. Pkt., 5c; oz., 30c; ¼ lb., \$1.00.

**EARLY PURPLE VIENNA.** Leaves and bulb have a bright purple color but flesh is white and fine. Pkt., 5c; oz., 30c; ¼ lb., \$1.00.

### LEEK

Four pounds to plant an acre.

Culture of Leek is about the same as onions. Sow either in early fall or spring. Sow in beds or drills, when 6 inches high, transplant in rows, setting as deep as possible without covering center leaves.

**LARGE LONDON FLAG.** The oldest and best-known and most largely grown variety. Pkt., 5c; oz., 15c; lb., \$1.25.

We make special prices to florists



# LETTUCE

Lettuce is represented by four distinct classes or types—by the thick-leaved, smooth-edged cabbage-heading type; the curly and thin-leaved, tight-heading, crisp type; the curly and thin-leaved bunch or non-heading type, and the Cos or celery type. There are early, medium early and late varieties of each type, as well as those especially adapted for greenhouse, hotbed, winter, spring, summer and autumn uses. There is so great a difference in localities in regard to the value of lettuce, that a uniform rule of culture cannot be adopted. For the ordinary house garden, it is desirable to use only variety of each type, and several plantings should be made to secure a succession. The seed should be planted in rows eighteen inches apart, as early as possible, and the young plants of cabbage varieties should be thinned to 6 or 8 inches apart. Varieties that do not head may be left quite thick, and thinned out as used.

**BIG BOSTON** (White Seed). Resembles Boston Market, but nearly twice as large; desirable for forcing and spring and fall outdoor planting. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c.

**BLACK-SEEDED SIMPSON.** A cutting variety of unusual merit. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**CALIFORNIA CREAM BUTTER** (W. S.). A splendid variety for summer. It produces a very large and white head. It will stand extreme heat and is slow to go to seed. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.25.

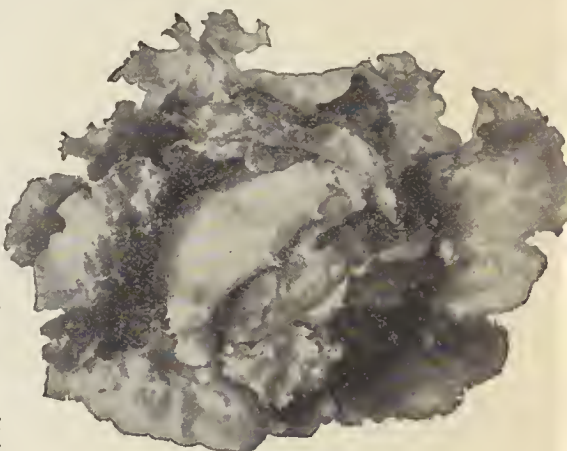
**EARLY CURLED SIMPSON.** A loose-bunching sort, forming no definite head. Is crisp and tender; light green in color. Is very hardy and easy to grow. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**GRAND RAPIDS.** The well-known forcing variety for the Middle West, where butter-headed or cabbage varieties do not grow well under glass. Is a loose-bunching variety, forming no definite head. Is extremely curly, and its light yellowish-green color makes it very attractive. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**HANSON.** A fine, large-heading variety. Leaves curled on the edges; light yellowish-green in color. The head is crisp and brittle and flavor excellent. Is the very best house garden variety in existence, and much the finest variety of its class. Hanson is similar to the famous Los Angeles lettuce listed below, but is larger and lighter green; an extra fine sort. Allow 12 inches for each head. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**ICEBERG** (White Seed). A curly lettuce, large, solid heads. The outer leaves are light green in color and their habit of branching towards the center of head is a great aid to the blanching of heart. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**NEW YORK, OR WONDERFUL.** One of the largest varieties grown. The heart blanches beautifully and is crisp, tender and delicious. It is robust-growing, roots deeply and is thus able to resist hot, dry weather; is slow to run to seed, and a sure header. The outer color is a distinct apple-green. It has been extensively grown in all sections of the country and as a standard summer Lettuce it is in every way desirable. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 70c; lb., \$2.25.



ICEBERG.

**MAXIMUM, OR IMMENSITY.** A very large heading variety, one of the largest of the cabbage sorts. It is especially adapted for planting in the fall and winter and makes a fine tender buttery head. A number of our best local market gardeners have been growing it and find it unsurpassed for a fine heavy shipping variety. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**PRIZE HEAD.** One of the very best loose-bunching or loose head varieties. It is the most easily grown variety in cultivation. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**TENNISBALL, OR BOSTON MARKET** (White Seed). A well-known variety. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

## COS LETTUCE

**EARLY WHITE SELF-FOLDING** (Seed White). The leaves are yellowish white, very crisp and tender; a self-blanching lettuce of superior flavor. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 75c.

**MUSHROOM SPAWN.** Lambert's Pure Culture Spawn, always fresh, full description as to how to plant, upon request. 25c per brick; 5 for \$1.00.

Many failures are caused by planting too early



**MUSKMELON**

**EXTRA EARLY HACKENSACK.** One of the oldest and best; attains a very large size; round with flattened ends; thickly netted; productive; extra quality. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**JENNY LIND.** Small, round-hat fruit, deeply ribbed; flesh yellowish-green and of unsurpassed flavor; very productive. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.10.



**FINE-NETTED NUTMEG.** Small; very early and fine-netted; fruit round; flesh green and very sweet. Pkt., 5c; oz., 10c; lb., \$1.00.

**ROCKY FORD OR NETTED GEM.** A grand sort for general early use; very early, productive, uniform and finely netted; flesh rich green, deliciously sweet and melting. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**CASABA MELON**

A winter muskmelon which is being tried out in this locality which should be treated as other melons. Pkt., 5c; oz., 20c.

**WATERMELON**

**CUBAN QUEEN.** Large oval Melons; striped dark and light green; flesh red and of excellent quality; the best late sort. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., 85c.

**SWEET HEART.** An early oval-shaped Melon, light green mottled, with thin, tough rind; flesh light red, solid, of fine quality and flavor. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., 85c.

**GEORGIA RATTLE SNAKE.** An oval-shaped variety, with dark green skin and thin rind. The bright scarlet flesh is extremely sweet. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., 85c.

**CITRON.** Green seeded. Small round fruits, for preserves only. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., 90c.

**MUSTARD**

**SOUTHERN GIANT CURLED.** This is grown extensively in the South, where it is highly esteemed. Pkt., 5c; oz., 10c; lb., 25c.

**WHITE LONDON.** Considered the best for salads and spinach; leaves light green. It is best when about 4 inches high. Pkt., 5c; oz., 10c; lb., 25c.

**ONIONS**

One ounce will sow 100 feet of drill.

Sow in spring as soon as the ground can be worked, in drills one foot apart. Thin to 3 or 4 inches and cultivate frequently with rake and hoe to keep down the weeds. They grow best in rich, sandy soil.

**Our seeds are the highest grade. Our prices are always in keeping with the quality**

## ONIONS---Continued

**ALSIA CRAIG.** See specials.

**AUSTRALIAN BROWN.** An early and hardy variety which does especially well in this state. Should be planted early, on low, wet grounds to get large bulbs. The skin is thick and the color is a rich brown. Is especially noted as a long keeper, as it keeps well into spring and much longer than other varieties. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.



**SOUTHPORT RED GLOBE**



**PRIZETAKER**

**PRIZETAKER.** An onion of the largest size and nearly globular in form. Skin is yellowish brown; flesh is white, mild and tender. It is one of the best of the large European sorts. If started very early in hotbeds, it will produce a mammoth onion the first season. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50; 10 lbs., \$12.50.

**LARGE RED WETHERSFIELD.** The best keeper and one of the most popular for general cultivation. Large size, deep purplish red skin. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$1.75.

**SOUTHPORT RED GLOBE.** Of medium size, spherical, with small neck, very deep, rich red color and of superior quality. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75; 10 lbs., \$15.00.

**SILVER SKIN.** This the better known as White Portugal. See White Portugal for description and price.

**MAMMOTH SILVER KING.** An early, large, white, flat onion. Is not a keeping sort nor a good shipping variety, but is valuable for home use and near-by markets. Is very mild and of fine flavor. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 65c; lb., \$2.25.

**WHITE PORTUGAL, OR SILVER SKIN.** This variety is one of the leading white sorts, and is of beautiful shape and very mild flavor. The bulbs are flat in shape and mature early. It is a splendid variety for both family use and the market gardener, and is very largely used for growing sets on account of its fine shape when small, and also for its good keeping qualities. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 90c; lb., \$2.00.

**WHITE GLOBE.** Yields abundantly and, as a table variety, its clear white color is exceptionally attractive. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50; 10 lbs., \$20.00.

**WHITE ITALIAN TRIPOLI.** A large, globe-shaped onion, with clear white skin and pearl-white flesh. Of mild, sweet flavor. Not a good keeping onion, but much esteemed as a garden sort. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 65c; lb., \$2.25.

**WHITE QUEEN.** A very early white onion. Rather small and does not keep well. Is of fine, mild flavor, and largely used for home-made pickles. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 65c; lb., \$2.25.

**WHITE BARLETTA.** A very early variety with pure white skin. In shape it is flat and is unsurpassed for home-made pickles. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 65c; lb., \$2.25.

**YELLOW GLOBE DANVERS.** Most popular yellow onion grown. Pkt., 5c; oz., 20c; lb., \$1.50.

**YELLOW DANVERS (Flat).** The best known and most generally used flat yellow onion. Best for garden use. Easily grown and a big producer. Pkt., 5c; oz., 25c; lb., \$1.50.

**If your ground is poor, use fertilizer**

## SHALLOT OR MULTIPLYING ONION SETS



**YELLOW ONION SETS.** Lb., 20c; 10 lbs., \$1.25, postpaid.

**SHALLOT or MULTIPLIER.** Lb., 25c.

**GARLIC.** Used in cooking. Lb., 40c.

**OKRA—OR GUMBO**

Sow when ground is warm in drills. Pods should be gathered when young, as they are tender at that time.

**WHITE VELVET.** Longest pods; always round and smooth. Pkt., 5c; oz., 10c.

**DWARF LONG GREEN.** An early dwarf and prolific variety. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c.



**MAMMOTH BELL PEPPER**

**PEPPERS**

1 ounce to plant  
100 yards in row.  
Is edible in 90 to  
120 days.

**CAYENNE.** A long, slim, pod, rather pointed, and, when ripe, a bright red color. Extremely strong and pungent. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 65c; lb., \$2.00.

**MAMMOTH BELL, OR BULL NOSE.** This is the most popular of all sweet varieties; is very mild in flavor and flesh very thick. It is a very fine variety for pickling. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 65c.

**BURBANKS SWEET PEPPER.**

The finest sweet pepper we have. Can become ripe and still not hot. We have arranged to have some of these plants this season, ready about June 1st. Each, 10c. Send in your order early.

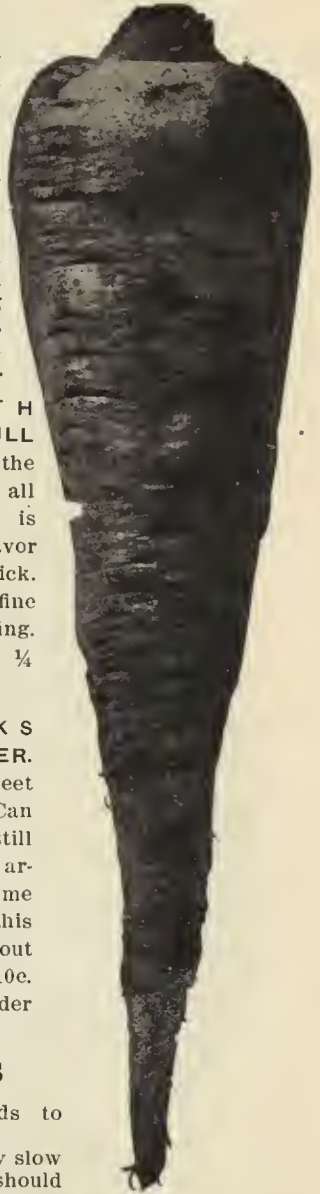
**PARSNIPS**

About 8 pounds to plant an acre.

The seed is very slow to germinate and should be sown early in the spring in rows 18 inches apart for hand cultivation, or 30 inches apart for horse cultivation. Thin out to 6 inches in the row. Cultivate often.

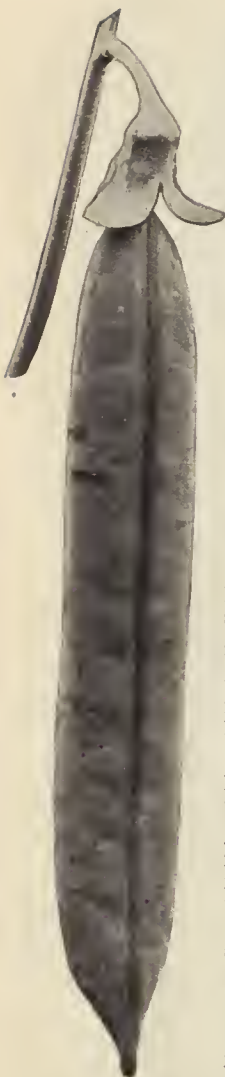
**SUGAR, OR HOLLOW CROWN.** The very best sort in existence. A large yielder of the finest quality. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**FRENCH INTERMEDIATE.** See specials.

**PARSNIP**



# GARDEN PEAS



**CULTURE.** 150 to 200 lbs. are required to the acre. The smooth varieties are the hardiest and should be planted first. The seed is usually sown thickly in double rows, and these double rows, constituting one row, should be about 3½ to 4 feet apart. Cover seed 2 or 3 inches, and, if too thick, thin to about 1½ to 2 inches. Cultivate often, especially in dry weather. A thick stand is desirable. It is not necessary to provide supports for the dwarf sorts.

Peas grow fairly well on poor soils, but a little fertilizer will greatly increase the yield. Well-rotted stable manure in the drill is splendid, but fresh manure should be avoided unless it is broadcasted.

## IMPROVED STRATAGEM.

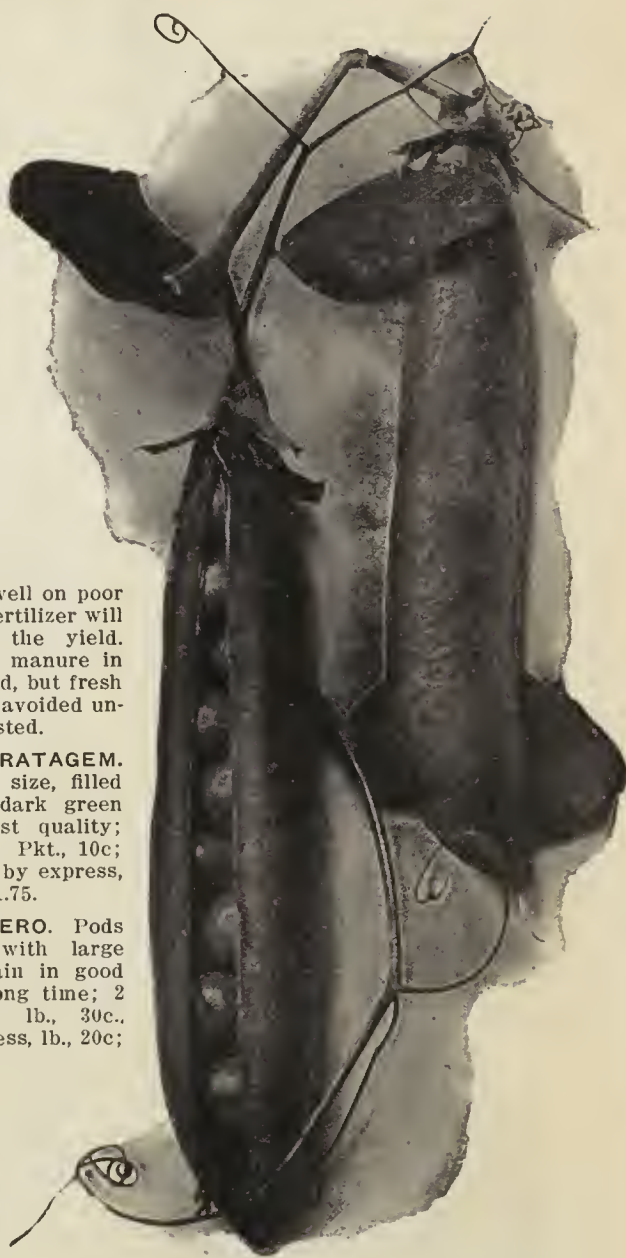
Pods of immense size, filled with very large dark green peas of the finest quality; height, 18 inches. Pkt., 10c; lb., 25c, postpaid; by express, lb., 20c; 10 lbs., \$1.75.

## YORKSHIRE HERO.

Pods are well filled with large peas, which remain in good condition for a long time; 2 feet. Pkt., 10c; lb., 30c., postpaid; by express, lb., 20c; 10 lbs., \$1.75.

## GRADUS, OR PROSPERITY.

An extra early sort. Pods large as Telephone; very showy, green peas most luscious. Vine a little stronger than Alaska. Just now this variety is all the rage. No stock is better than that we offer. Height, 28 inches. Pkt., 10c; lb., 25c, postpaid; by express or freight, lb., 20c; 10 lbs., \$1.75.



## TELEPHONE.

**McLEAN'S LITTLE GEM.** A favorite early wrinkled variety, maturing a little later than American Wonder, of a somewhat taller growth, and a little more prolific; pods fair length and peas of excellent quality. Pkt., 10c; lb., 25c, postpaid; by express or freight, lb., 20c; 10 lbs., \$1.75.

If a mistake should occur be sure to notify us so we can correct same which we are anxious to do if we only know of it.

Add a few names of friends who buy seeds and we will give you some flower seeds free

## PEAS—Continued

**AMERICAN WONDER.** The first variety of dwarf, compact growth and early maturity, having a wrinkled seed and rich, sweet flavor. While a number of improved varieties have been introduced since, this still remains a leading favorite for home and market. The vines grow only 8 to 10 inches high, and pods mature in quick succession to the Extra Early. Pkt., 10c; lb., 25c; postpaid. By express or freight, lb., 20c; 10 lbs., \$1.75.

**DWARF TELEPHONE.** A heavy cropper, bearing uniform, long, straight, square-ended, dark green pods, containing 7 to 8 large, rich-flavored peas of a deep green color, adding to their attractiveness when served. Almost as early as the extra-early smooth peas; 3 feet high. Pkt., 10c; lb., 25c; prepaid. By express or freight, lb., 20c; 10 lbs., \$1.75.

**ALASKA.** Pkt., 10c; lb., 20c; postpaid. By express or freight, lb., 20c; 10 lbs., \$1.75.

**ALDERMAN.** See Special.

**THOMAS LAXTON.** A fine, early tall variety, similar to Gradus, but more hardy and not quite so early. It is also a little darker in color and has large blunt pods that fill well with peas of finest quality. Pkt., 10c; lb., 25c; postpaid. By express or freight, lb., 25c; 10 lbs., \$2.00.

**NOTT'S EXCELSIOR.** Height, 14 inches. This sort resembles the American Wonder, but grows a trifle taller and the pods are somewhat larger. It is of compact dwarf growth and is nearly as early as the American Wonder. The pods average 3 inches in length. Pkt., 10c; lb., 25c; postpaid. By express or freight, lb., 20c; 10 lbs., \$1.75.

**TELEPHONE.** A ball, wrinkled, narrow variety, enormously productive and of fine quality. The pods are of the largest size and contain from six to seven large peas. Height, 4½ feet. Pkt., 10c; lb., 30c; postpaid. By express or freight, lb., 20c; 10 lbs., \$1.50.

**EDIBLE PODDED SUGAR PEAS.** Dwarf, very similar in habit to the American Wonder. These pods are beautifully crimped, of unusual size for such a small growing plant, and are of exquisite, melting quality.



LAXTONIAN.

**LAXTONIAN.** This is an ideal market and home garden pea, medium dwarf in habit of growth, but with very large pods, averaging 5 to 6 inches in length. Laxtonian seldom has any blank spaces in the pods. Per pkt., 10c; lb., 30c; postpaid. By express or freight, lb., 25c; 10 lbs., \$2.25; 100 lbs., \$20.00.

Pkt., 10c; lb., 40c; postpaid. By express or freight, lb., 30c; 10 lbs., \$2.50.

Remember, we prepay all charges on seeds except on Beans, Peas, Corn, Onion Sets and Field Grass and Clover Seeds.

Add 5c for 1 lb., 6c for 2 lbs., 8c for 5 lbs., 15c for 10 lbs.

# SEED POTATOES

GROWN LOCALLY



WE HAVE HAD PRACTICALLY ALL OUR SEED POTATOES GROWN BY CONTRACT THIS YEAR AND WILL BE ABLE TO FURNISH SOME EXTRA SELECTED STOCK.

**BOVEE.** You can produce earlier new Potatoes with Bovee than any other. Very fine shaped and great yielder. Lb., 5c; 6 lbs., 25c; 100 lbs., \$2.75.

**BEAUTY OF HEBRON.** One of the standard early varieties. White, heavy producer. Lb., 5c; 6 lbs., 25c; 100 lbs., \$2.50.

**EARLY ROSE.** The standard variety. We have secured extra fine seed this year. Lb., 5c; 6 lbs., 25c; 100 lbs., \$3.50.

**NETTED GEM.** A main crop Potato. Finest baker we have. Lb., 5c; 6 lbs., 25c; 100 lbs., \$2.50.

**MORTGAGE LIFTER.** A main crop variety that is very well known. We have some extra selected seed that will produce big crops. Lb., 5c; 6 lbs., 25c; 100 lbs., \$2.75.

**BUREANK.** A standard variety which every farmer knows. Lb., 5c; 6 lbs., 25c; 100 lbs., \$2.50.

**GOLD COIN.** One of the best for main crop. Fine shaped and on account of shallow eyes is sought after. Fine cooker and baker. Lb., 5c; 6 lbs., 25c; 100 lbs., \$2.75.

**AMERICAN WONDER.** Medium early and hard to beat. Very productive and of the finest quality. Lb., 5c; 6 lbs., 25c; 100 lbs., \$2.75.

**SENSATION.** See Special.

**LATE ROSE.** The standard variety. Lb., 5c; 6 lbs., 25c; 100 lbs., \$2.50.

The seed potatoes we send out are seed potatoes in every sense that the word Seed should imply. They are not only the best we can supply, but we try to have them the best to be had from any source at any price. To that end they will be hand sorted, selected stock such as anyone will be proud to plant.

We make special prices to florists



**PARSLEY****PARSLEY.**

Used for garnishing or cooked in soups. A few plants will yield sufficiently for a family. Sow in rows a foot apart. Plant half an inch deep. Plants in season.

**CHAMPION MOSS CURLED.** Densely crimped and curled, dark green leaves; beautiful for garnishing; a very select and productive stock. Pkt., 5c; oz., 10c; lb., 75c.

**HAMBURG, or TURNIP-ROOTED.** The fleshy roots of this kind resemble small Parsnips and are esteemed for flavoring soups, stews, etc. Pkt., 5c; oz., 10c.

**PLAIN.** Has smooth leaves, which are used in soups, stews, etc. Pkt., 5c; oz., 10c.

**PUMPKINS**

**CHEESE.** The most popular for pies; large, flat round; creamy yellow skin; thick, orange flesh of fine quality; a splendid keeper. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 25c; lb., 70c.

**CONNECTICUT FIELD.** A productive, large, orange colored field Pumpkin, usually grown for stock feeding, but it also makes good pies. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**POT IRON, or KING OF THE MAMMOTHS.** This strain produces the biggest Pumpkins grown, sometimes measuring 6 feet in circumference and weighing 200 to 250 pounds; outside color, deep orange yellow; flesh very thick, fine grained, tender, of bright yellow color, and of excellent quality for pies and other uses. Pkt., 5c oz., 15c;  $\frac{1}{4}$  lb., 50c.

**SUGAR.** A handsome and productive small Pumpkin, 10 to 12 inches in diameter; almost round, with orange skin; flesh deep yellow; fine grained and very sweet. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**WINTER LUXURY.** A superior pie Pumpkin, small, but enormously productive and an excellent keeper; shape slightly oval, about 10 inches in diameter; color, golden russet, finely netted; flesh deep golden, sweet and tender. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**RADISH SEED****WASHINGTON CARDINAL.**

One ounce will sow 100 feet of drill.

For early use select only forcing varieties and sow in hotbeds or under glass any time from January until March. Begin sowing outdoors as soon as the soil is in working condition, selecting, if possible, a light, sandy loam. Although seed of the monthly radishes may be sown broadcast, the summer and winter sorts should be sown in drills twelve to eighteen inches apart, but not before May 15th, as earlies sowings will most likely run to seed. For winter sow from July 15th to August 15th in drills eighteen inches apart, later thinning out to six inches apart.

**CRIMSON GIANT.** A forcing variety of unusual size, but better adapted to outdoor culture. It is solid, crisp and tender. Per pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 25c; lb., 85c.

**CHARTIER.** Roots are red with a white tip, slender, and remain solid and crisp until of large size. Per pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c.

Our experience has taught us who grows the best seeds, and we have them, grow ours

**EARLY SCARLET TURNIP.** One of the standard sorts for general sowing. Roots are turnip shaped, dark red and of fine quality. Per pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.



**EARLY SCARLET TURNIP WHITE TIPPED.**

**EARLY SCARLET TURNIP (White Tipped).** An exceptionally fine strain so largely grown by market gardeners. Its color is of the deepest scarlet with a prominent white tip; superb flavor. Per pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c.

**EARLY WHITE TURNIP.** Preferred by many to the red sorts. Flesh clear white, tender and sweet. Per pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 65c.



**FRENCH BREAKFAST.**

**FRENCH BREAKFAST.** This well known radish is olive shaped, bright scarlet with the exception of the white tip. Per pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 65c.

**HALL-LONG BLACK.** Highly recommended as the best sort for winter. In color it is more of a gray than black and grows to an extremely large size. Per pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 80c.

**ICICLE.** One of the earliest and purest of all long, white varieties. For crispness and tenderness it is unsurpassed. Per pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.



**CHARTIER.**

See description, page 23.

**LONG WHITE VIENNA.** The skin and flesh are both pure white and of excellent quality. Per pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 65c.

**LONG SCARLET SHORT TOP.** A long, smooth, tapering radish somewhat smaller but brighter in color than Chartier. Per pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 65c.

**ROUND BLACK SPANISH.** Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 65c.

**ROSE CHINA WINTER (Scarlet China).** A rose colored variety of fine quality; flesh white. Per pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**SCARLET GLOBE FORCING.** Popular everywhere, either for forcing or outside sowing. Its brilliant color, uniform shape, and crisp, white flesh make it a favorite with all. Per pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**RHUBARB**

**Pie Plant.**

Should be sown during April or May in drills one foot apart, covering the seed about one-half inch. Later thin out the seedlings to four inches apart and in the fall transplant to permanent beds of well enriched soil, setting plants not less than three feet apart. They will be in condition for use the following year. Per pkt., 10c; oz., 25c. We recommend that you plant the roots as they come much quicker.

Add a few names of friends who buy seeds and we will give you some flower seeds free

# RUTABAGA

**IMPROVED AMERICAN PURPLE-TOP.** This strain is of American origin, bred to a smaller top and short neck. The bulbs are of great size, yellow-fleshed and purple crown; one of the most desirable varieties now cultivated. Pkt., 5c; oz., 10c; lb., 50c.

**SWEDISH RUTABAGA.** Large yellow, the most favorable for stock. Package, 5c; oz., 10c; lb., 50c.

## BANGHOLM

Oblong, globular shaped, with small neck, yellow flesh, very dark purple top. Superior to all other Swedes. Has been awarded first-class certificate by the Danish government as the best cropping rutabaga. By trial it has scored 49 tons of roots with 5 tons of dry matter to the acre. Finest for stock food that we know. Pkt., 5c; oz., 10c; lb., 50c; 10 lbs., \$4.00.

# SPINACH

One ounce will sow 50 feet of drill.

First sowing should be made as soon as the ground is open in spring. Sow seeds half inch deep in drills one foot apart and every two weeks thereafter for succession. Sowings made during September usually grow large enough to winter over and with little protection afford Spinach very early in the following spring. A rich soil is essential to obtain best results.

**BLOOMSDALE SAVOY-LEAVED.** The popular fall Spinach so largely grown for market. Grows upright, the leaves being crumpled, dark green and very thick. Per oz., 5c;  $\frac{1}{4}$  lb., 15c; lb., 35c.

**EARLY GIANT THICK-LEAVED.** A quick growing sort and one of the best for wintering over. It is of large size, rich green color and excellent quality. Per oz., 5c;  $\frac{1}{4}$  lb., 15c; lb., 40c.

If you intend to make an exhibit at your Fair, go through the specials. They produce wonderful results



**PURPLE TOP RUTABAGA.**

**LONG-STANDING.** Succeeds well at almost all seasons and though rather slow growing it is a very fine, large dark green leaved spinach. Per oz., 5c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**VICTORIA.** A favorite for early summer. It is one of the darkest in color and with exception of the heart, the leaves are comparatively smooth. Per oz., 5c;  $\frac{1}{4}$  lb., 15c; lb., 35c.

**PRICKLY WINTER.** The best winter Spinach. Plant in September for winter use. Pkt., 5c; oz., 10c; lb., 50c.

**ROUND SUMMER.** The earliest of all Spinach. Pkt., 5c; oz., 10c; lb., 35c.



## SALSIFY, OR OYSTER PLANT

One ounce will sow 75 feet of drill.

This vegetable is best grown in a rich, deep but loose soil. Sow about one inch deep from April to June 15th in drills 12 inches apart. Later thin out to four inches in the row. They are usually ready for use in September, but become more delicate in flavor after a light frost.

**MAMMOTH SANDWICH ISLAND.** The roots are white, extra long, straight and very tender. Per pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.25.

## SQUASH

One ounce to about 25 hills.

The general methods of culture are the same as those given for cucumbers and melons, but squash is less particular as to soil. The summer varieties should be planted four to six feet apart each way and the winter sorts eight to ten. Three plants are sufficient for a hill.



**EARLY WHITE.** A well-known variety of dwarf habit and upright growth. Surface comparatively smooth; color creamy white. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**EARLY YELLOW.** A very early, flat, scalloped variety of largest size; skin deep yellow; the flesh is pale yellow and well flavored. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c.



BOSTON MARROW.

## NEW DELICIOUS

This new fall and winter squash resembles the old Hubbard; average weight is between five and ten pounds. Seed cavity small; flesh exceedingly thick, compact, fine grained; color, golden orange. The flesh is meaty, granulated, tender and almost of mealy dryness, cooking sweet and rich, whether steamed, baked, boiled or made into pies. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**SUMMER CROCKNECK.** The old standard sort; very early and productive. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c.

**ITALIAN VEGETABLE MARROW.** A variety producing large oblong fruits, dark green at first, but as they mature becoming marbled with yellow and lighter green in stripes. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

**BOSTON MARROW.** A fall and winter variety of large size, oval form, skin thin; when ripe, bright orange; excellent flavor. We have a very fine stock of this sort. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., \$1.00.



TRUE HUBBARD

The best seller and most popular variety on our list. Rind dark green, warty and very hard. Flesh light orange, very dry, sweet and rich flavored. Has no superior. Keeps perfectly through the winter. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

If you are satisfied tell  
your neighbors  
if not  
do us the favor and tell us

# TOMATOES



One ounce will produce 1,500 plants. For table use, 90 to 120 days according to variety.

**Culture.** Tomatoes do best on light, warm, not over-rich soil, and success depends upon securing a rapid, vigorous and unchecked growth during the early part of the season. Sow in hotbeds from six to eight weeks before they can be set out of doors, which is when danger from frost is past. Transplant carefully and cultivate well as long as the vines will permit.

**SPARKS' EARLIANA.** The tomatoes are bright red and grow close together in clusters; all of medium size, averaging  $2\frac{1}{2}$  inches in diameter. They are smooth and solid, quite thick through and free from rough ribs or cracks. The flesh is a deep red, with solid center and small cells; slightly acid flavor. Best for this vicinity. Pkt., 5c; oz., 20c.

**STONE TOMATO.** Is one of the very best large fruited sorts grown for main crop. The fruits are round, remarkably solid, bright scarlet in color and of excellent flavor. Pkt., 5c; oz., 30c.

**CHALK'S EARLY JEWEL.** One of the best early scarlet varieties. The fruit is uniform, solid, and of fine quality. Pkt., 10c; oz., 30c.

**DWARF CHAMPION.** Of dwarf, stiff, upright growth, scarcely needing support; early and prolific, fruits of red-purple color. Pkt., 10c; oz., 30c.

**EARLY WASHINGTON.** Large, smooth, blood-red sort; early; ripens all over and through at once. Will bear shipping long distances. Very few seeds and has no hard, green core. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c.

**ATLANTIC PRIZE.** One of the handsomest varieties and those who have grown the large, round, smooth, beautiful, red fruit claim it is of superior quality. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 65c.

**EARLY SUNRISE.** See Specials.

## FORCING TOMATOES.

**COMET.** The very best forcing variety and a general favorite with greenhouse growers. Color is a beautiful scarlet; fruits are of good size, very smooth and uniform. We offer a select strain from inside stock. Pkt., 25c.

**LORLIARD.** A new forcing variety that has produced wonderful crops in greenhouse locally. Deep scarlet, smooth and uniform and always demands the top prices. Pkt., 25c.

**SMALL FRUITING VARIETIES.** Esteemed for preserves, etc. **Red Cherry**—Bears clusters of bright red fruits, the size of a cherry. **Red Pear-shaped**—Produces bright red pear-shaped fruits. **Yellow Plum**—Oval-shaped fruits, 2 inches in diameter, used for preserves. Per pkt., 5c; oz., 30c.

**WINTER CHERRY** or "HUSK" TOMATO. Low, spreading plants, bearing small yellow fruits in a paper-like husk. Used for preserving. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., \$1.10; lb., \$3.50.

# TURNIPS

From 3 to 4 pounds to an acre. Matures for table use in from 55 to 85 days, according to variety.

**Culture.** Plant for succession from April to August in drills 14 inches apart and thin out plants to 6 inches. Turnips thrive best in a highly enriched, sandy, gravelly or light loamy soil. Spring sowings should be put in early so that they will attain a good size before hot weather; otherwise they will become tough and bitter.

**EARLY WHITE FLAT DUTCH** (Strap-Leaved). An old standby, and one of the most popular early varieties for either spring or fall plantings. Of medium size and a quick grower. Flesh and skin pure white; fine grained and sweet. Pkt., 5c; oz., 10c; lb., 50c.

**RED, OR PURPLE TOP** (Strap-Leaved). The most widely cultivated and best-known variety. Used largely for sowing broadcast among corn and potatoes. It is round and flat, white on the bottom and a reddish purple above ground, and a very quick grower. It is esteemed as a fine table variety. Pkt., 5c; oz., 10c; lb., 50c.

**SEVEN-TOP.** The most popular variety for winter and early spring "greens." Very hardy, growing all through the winter. Can be cut at all times, giving a supply of fresh vegetable matter at times when nothing else is available. Can be sown from August till December and in early spring. Pkt., 5c; oz., 10c; lb., 50c.

**EXTRA EARLY WHITE EGG.** In our Extra Early White Egg you will have a turnip of the

sweetest flavor ready for use in six weeks from the time of sowing with good seasons. In quality it is the finest of all. Very attractive when bunched for market. Pkt., 5c; oz., 10c; lb., 50c.

**PURPLE TOP WHITE GLOBE.** A large globe-shaped variety; purple above ground; it is handsome and of excellent quality and recommended both for the family garden and field crop. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 50c.

**EXTRA EARLY PURPLE TOP MILAN.** The earliest turnip in cultivation and a splendid variety; bulb white, flat, of medium size, with a bright purple top; one of the sweetest and finest flavored of summer sorts. Pkt., 5c; oz., 15c; lb., \$1.50.

**WHITE GLOBE.** Color pure white; shape round; size large; solid, quick in growth for a large turnip, producing a great weight to the acre. Pkt., 5c; oz., 10c; lb., 50c.

**YELLOW GLOBE.** A splendid sort for general crop; grows large; a good keeper, with bright, yellow flesh. Pkt., 5c; oz., 10c; lb., 50c.

**IMPROVED GOLDEN BALL.** One of the sweetest and most desirable yellow-fleshed varieties; of medium size; a perfect globe shape, with firm, hard, yet rich and sweet flesh; it has no equal as a table variety; keeps well. Pkt., 5c; oz., 10c; lb., 50c.

**EXTRA EARLY WHITE MILAN.** A very early variety, medium sized, flat and clear white. A fine home-garden variety. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

**PURPLE TOP YELLOW ABERDEEN.** A medium-sized variety, generally used for stock feeding. Is yellow, with purple top. Flesh, light yellow. A winter variety, seed of which can be sown in summer. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**DANISH BORDFELDER.** Long root, cream color, delicate green top, rapid grower and excellent keeper, extra fine for stock feeding. This is considered in Denmark the best turnip for stock and milch cows. Don't fail to try a little. Pkt., 5c; oz., 10c; lb., 50c; 10 lbs., \$4.00.



**PURPLE TOP STRAP LEAF.**

Our seeds are the highest grade. Our prices are always in keeping with the quality



# VEGETABLE PLANTS AND ROOTS

We carry the following plants in the season shown and pack them very carefully for shipping:

**ASPARAGUS ROOTS.** Two years old. Best varieties. Doz., 35c, postpaid; per 100, \$1.00; 1,000, \$8.00, by express or freight.

**CABBAGE PLANTS.** We aim to carry both the early and late varieties in season. Doz., 15c, postpaid. Doz., 10c; 100, 75c; 1,000, \$6.00. We are prepared to make special price on quantities over 1,000 to 10,000.

**CAULIFLOWER PLANTS.** Doz., 30c, postpaid. Doz., 20c; 100, \$1.00; 1,000, \$7.00, express or freight. We are prepared to make special prices on quantities over 1,000 to 10,000.

**CELERY PLANTS.** Leading varieties. Doz., 25c, postpaid. Doz., 15c; 100, 75c; 1,000, \$6.00, express or freight.

**CHIVES.** A garnish and used in soups. Bunch, 10c; doz., \$1.00, postpaid.

**HORSERADISH ROOTS.** Doz., 40c, postpaid. Doz., 25c; 100, \$1.50, by express or freight.

**PEPPER PLANTS.** Large bell. Doz., 30c, postpaid. Doz., 25c; 100, \$1.50, express or freight.

**RHUBARB ROOTS.** Victoria Mammoth. Best for home use and to market. Large clumps, 25c each; doz., \$2.50, freight or express.

**RHUBARB ROOTS.** Linneous. Light in color, good variety. Large clumps, 25c each; doz., \$2.50. Postage extra.

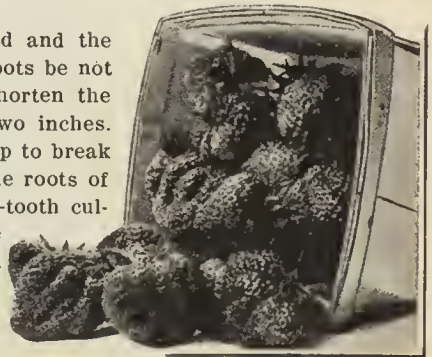
**TOMATOES.** Leading varieties. Transplanted into flats. Doz., 20c, postpaid. Doz., 10c; 100, \$1.00; 1,000, \$7.00, freight or express. Pot grown, doz., \$1.50, postpaid. Doz., \$1.00; 100, \$7.00, freight or express.

**SAGE AND LAVENDER PLANTS.** 2-year-old, 25c each.

## Strawberry Plants

**CULTIVATION.** When the plants begin to spread and the roots to extend, care should be taken that the roots be not injured by the cultivator, and our plan is to shorten the cultivator teeth that run next the plants by about two inches. When thus shortened the teeth will go sufficiently deep to break the crust near the plants without danger of cutting the roots of the plants. About two times a month we run the five-tooth cultivator through the center of the space between the rows, stirring the soil to a depth of four or five inches. This loosens up the soil where the horse has tramped it down when doing the shallow cultivation.

One very important practice you should adopt whether your last cultivation be early or late; be sure before stopping the work to make a furrow four or five inches deep down the center of the space between the rows of plants, so that all surplus water from rains or melting snows may have immediate outlet. This will prevent its settling about the crowns.



### PRICE LIST OF PLANTS.

	Dozen	100	100	1000
	By Mail,		By Express or	
	Postpaid.		Frts. Packed In.	
Magoon .....	\$0.25	\$1.00	\$0.60	\$4.50
Marshall .....	.35	1.25	.75	6.00
Wilson .....	.40	1.75	1.25	7.00
Clark's Seedlings .....	.25	1.00	.60	4.50
Brandywine .....	.35	1.25	.75	6.00
Goodell .....	.50	2.00	1.50	10.00

Our experience is at your service. Write us

# AABLING-BOYCE SEED CO.

	Quantity Seed Needed for 100-ft. Row	General Time of Sowing Puget Sound	Crop Matures	Depth to Plant Inch
Artichoke .....	½ oz., 3 pkts.	Early spring	2nd spring	1
Artichoke, Jerusalem .....	3 lbs.	Spring	Late summer	2-3
Asparagus, Seed .....	1 oz.	Feb. to April	3rd spring	1
Asparagus, Plants .....	50	Oct. to April	Next spring	3-5
Beans, Bush .....	2 lbs.	April to July	45-65 days	1
Beans, Pole .....	1 lb.	April to July	75 days	1½
Beets .....	4 oz.	April to Oct.	65 days up	¾
Broccoli .....	1½ oz.	Feb. to May	100 days	½
Brussels Sprouts .....	2 pkts.	Feb. to May	6 months	½
Cabbage, Plants .....	75	March to Aug.	90-150 days	3
Carrots .....	1 oz.	March to Sept.	45-60 days	¼-¾
Cauliflower, Plants .....	75	March to July	125 days	3
Celery, Plants .....	300	May to July	3 months	3
Celery, Seed .....	¼ oz.	Jan. to May	6 months	⅛
Chervil .....	1 oz.	Early spring	Early	¾
Corn, Salad .....	2 oz.	March to July	100 days	¾
Corn .....	1½ lbs. 100 hills	April to June	80-100 days	1½
Cucumber .....	1 oz.	April to June	120 days	1
Egg Plants .....	1 pkt.	Hotbeds	160 days	¼
Endive .....	1 oz.	July to Oct.	100 days	½
Kale .....	1 oz.	Feb. to Aug.	45 days	½
Kohl Rabi .....	1 oz.	Feb. to May	4 months	½
Leek .....	½ oz.	Feb. to June	Late summer	½
Lettuce, Leaf .....	1 oz.	All year	65 days up	¼
Lettuce, Head .....	½ oz.	All year	65 days up	¼
Onion, Seed .....	1 oz.	All year	100 days	¾
Onion, Sets .....	4 qts.	All year	45 days	1
Parsley .....	2 pkts.	April to July	Any time	⅓
Peas .....	3 lbs.	All year	60 days	2
Potatoes .....	5 lbs. 50 hills	Feb. to June	120 days	4-6
Pumpkin .....	1 oz.	April to July	125 days	1
Radish .....	1 oz.	All year	30-45 days	½
Salsify .....	1 oz.	March to June	5 months	½
Spinach .....	1 oz.	All year	40-45 days	½
Squash .....	1 oz.	May to June	150 days	1
Turnip .....	1 oz.	March to Oct.	60-75 days	¼
Tomatoes .....	40 plants	May to July	150 days	¼

We grow a big portion of our Seeds on the Coast, others we contract for with the most reliable seed growers. We refer you to any bank or reliable merchant in Seattle.

If you intend to make an exhibit at your Fair, go through the specials. They produce wonderful results

# CLOVER SEEDS

Prices on clovers change from day to day and these prices were current when we went to press. When in the market, write for prices and samples. We invite comparison and if quality counts you will find our prices the lowest in the market.

All clover, grasses and field seeds are F. O. B. Seattle. If you desire them to come by parcel post, add postage.

**ALSIKE, OR HYBRID CLOVER** (*Trifolium hybridum*). A perennial, 1 to 3 feet high, succeeding best in cold and stiff soils, and in marshy lands which are too wet for other species. It grows well in the far north and in high altitudes, and can withstand severe cold. A good honey plant for bees. 15 lbs. to the acre. Lb., 25c; 10 lbs., \$2.25.

**BOKHARA OR SWEET CLOVER** (White Blossom). Seeds in hull. Description the same. Lb., 20c; 10 lbs., \$1.75.

**BOKHARA, OR SWEET CLOVER** (*Melilotus Alba*). Grows 3 to 5 feet high, covered with small white flowers of great fragrance. Very valuable for bee pasture. Sow 10 lbs. to the acre. Lb., 35c; 10 lbs., \$3.25.

**BOKHARA, OR SWEET CLOVER** (Yellow Blossom). Grows the same as the white, but the flowers are yellow. Very valuable for bee pasture. Lb., 25c; 10 lbs., \$2.25.

**A WORD TO THE WISE:** When you purchase clover seeds, buy from a house which assures you that the seeds are free from noxious weed seeds. There is a big difference in price between a seed which tests 95% pure and one which tests 99% pure, for there will be a big difference in the crop of weeds you get, perhaps not so much the first year, but figure the second and third years. Insist on the best and we have it. Samples for testing furnished free. Ask for them.

**CRIMSON, OR SCARLET CLOVER** (*Trifolium incarnatum*). Erect annual, 1 to 2 feet high, with bright scarlet flowers. It is a native of Southern Europe and is now largely grown in our Southern states for improving the soil by turning under. It will not stand severe winter weather. It makes a very valuable crop for pasture or green manure. For hay it should be cut when in full bloom. Sow 20 lbs. to the acre. Lb., 25c; 10 lbs., \$1.50.

**RED CLOVER, MEDIUM** (*Trifolium pratense*). One of the most valuable farm crops of the Western states for pasture, soiling, hay or turning under for green manure. It requires a deep, rich soil, and yields two hay crops in the season. In this section, sow in the fall or spring at the rate of 15 lbs. to the acre. Lb., 25c; 10 lbs., \$2.25.

**MAMMOTH RED CLOVER.** Grows larger and lasts longer than the medium red. Habits are the same as the red. Lb., 25c; 10 lbs., \$2.25.

**WHITE CLOVER** (*Trifolium repens*). Some white clover is usually included in lawn grass mixtures. It makes an excellent turf that stands constant tramping. It is of dwarf habit. It spreads rapidly, and is very hardy. It is valuable in permanent pastures, its foliage being sweet and nutritious. Sow in the spring. In mixtures, 1 to 2 lbs.; if alone, 8 or 10 lbs. to the acre. Lb., 60c; 10 lbs., \$5.50.

# ALFALFA SEED

Our seed stands highest in Purity and Germination tests. Free from dodder and other injurious weeds. Ask for samples of seeds; also literature on inoculation with Farmogerm.

**AMERICAN GROWN ALFALFA.** Experimental stations and other authorities on Alfalfa agree as to the benefit of planting alfalfa seed grown in the northern sections of the United States. This brand of ours is grown in northern Montana and the seeds are exceptionally large and of high germination, and our experience for several seasons has demonstrated the superiority of this seed under the most adverse climatic conditions throughout the Northwest. Lb., 25c; 100 lbs., \$22.50.

## ALFALFA

**TURKESTAN, OR DRY-LAND ALFALFA.** We make direct importations of this seed and

we can recommend it for situations where water is not abundant. We suggest that it be seeded a little heavier than the ordinary type, as it is inclined to become coarse and woody; and thick sowing will produce finer plants. We can supply this in original package, or in smaller quantities. Lb., 25c; 10 lbs., \$2.00.

## USE FARMOGERM.

To inoculate your seed and thus insure a good stand. Ask for special literature and order with your seed. Prize garden size, enough to experiment with, 50c. Acre size, enough for one acre, \$2.00.

We like to hear the results you obtain from our seeds. Write us



# GRASSES FOR LAWNS

Seattle is famous for its beautiful parks and lawns. Each year the Park Board purchases large quantities of our finest grass seed for their lawns. If you use our seed and give the proper care you can have just as good a lawn as you will find in any of our parks. We make special mixtures for different localities. If your lawn has been a failure, write us fully regarding the conditions and we will gladly advise you what mixture to use to obtain the best results.

**KENTUCKY BLUE GRASS.** Superior quality. The seed we will sell during the next year has been guaranteed to test 99 per cent pure and germinates 87 per cent. This seed will weigh 29 pounds to the bushel. It forms a fine mat and with care and water is the best lawn grass for all soils except sandy ones. Lb., 40c; 10 lbs., \$3.50.

**KENTUCKY BLUE GRASS.** Standard quality. This seed is a cheaper quality and lighter in weight. Will test, as to purity and germination, standard. Lb., 25c; 10 lbs., \$2.00; 100 lbs., \$17.50.

**WHITE CLOVER.** This is the genuine Dutch dwarf-growing white clover used extensively in lawn mixtures and is very valuable as a lawn seed on very sandy soils. It roots deeply and does not require much water and care and will still look well. Lb., 60c; 10 lbs., \$5.50.

**SUPERIOR LAWN MIXTURE.** Our best lawn mixture for fine lawns. Contains chiefly our Superior Blue Grass, Creeping Bent, Bermuda Grass and White Clover. It is mixed in the proper proportion to make a good turf which will wear as no other will. Fine for improving old lawns. Lb., 40c; 10 lbs., \$3.50.

**SUPERIOR SHADE MIXTURE.** Especially mixed to obtain lawns in shady places and for such locations it is unequalled. Lb., 50c; 10 lbs., \$4.50.

**TERRACE MIXTURE.** Just the mixture for the dry terrace slopes. Lb., 50c; 10 lbs., \$4.50.

**COMMON LAWN MIXTURE.** Contains Blue Grass, English and Italian Rye Grass and White Clover. Lb., 25c; 10 lbs., \$2.00; 100 lbs., \$17.50.

## LAWN MAKING

The soil should be spaded deep and well prepared. It should not be too rich, as a rapid growth is not wanted in grasses of a lawn, but the surface should be as much alike as possible. Sow the seed in two directions, then roll and cross roll in order to press the seed firmly into the soil. In about 10 days apply a light application of Aabling's Lawn Fertilizer mixed with an equal part of good loam. This will serve to stimulate the young grasses. The best time for this is just before a rain, so that the fertilizer will be washed into the roots of the grass.

We are often asked when is the "best" time to plant a lawn. We know that from the middle of March until the end of June is the best time or the best lawn can be obtained with the least trouble and with less danger of a failure. Although we sell large quantities of grass seed all through the summer months but advise people they must be more careful in planting and watering. The fall is a good time but great care should be taken so that your ground will be clear of weeds. Do not plant between Nov. 15 and March 1st, as the ground is cold and seeds liable to decay.

**ROLLING.** Roll frequently, especially in the spring, as the winter frosts loosen the soil and rolling is necessary to compress it again.

**MOWING.** Mow often, as it tends to improve the roots and the fineness of the texture. Be careful in the summer time, as the roots require a covering during hot summer months.

Follow these directions and use our Superior Lawn Mixture and Superior Lawn Fertilizer and you will have your lawn talked about.

All Clover, Grass and Field Seeds are F. O. B. Seattle. If you desire them to come by parcel post add postage.

If your ground is too poor to get a lawn you must use fertilizers, we make our own fertilizers and they are bound to produce results. We have ours analyzed by the State and full analysis placed on every package.

# GRASSES

**AWNLESS BROME GRASS** (*Bromus Inermis*). Will stand droughts and produce heavy crops in dry sections and on poor soils where other grasses perish. It is one of the handiest grasses and succeeds on our dry hillsides. Sow 35 lbs. per acre. Lb., 25c; 10 lbs., \$2.20; 100 lbs., \$20.00.

**BERMUDA GRASS** (*Cynodon Dactylon*). Is a drawf perennial plant and spreads by means of its long and many-jointed root stalks, and for this reason is hard to eradicate once it has secured a foothold; thrives during the hottest part of the year, and will live under water for a long time. Makes a durable lawn and is also used to hold embankments. The seed is very slow to germinate and requires heat and moisture. Sow 10 lbs. per acre. Per lb., 50c; 10 lbs., \$4.50.

**Italian Rye Grass** (*Lolium Italicum*). Thrives in almost any soil and yields early and abundant crops. Sown in the fall, will produce an excellent hay crop the following season, but lasts only one year. Not recommended for lawns. Sow 50 lbs. per acre. Lb., 20c; 10 lbs., \$1.50; 100 lbs., \$12.50.

**KENTUCKY BLUE GRASS** (*Poa Pratensis*). Fancy or double; extra clean. As this grass takes some time to become established it is preferably sown in mixtures for pasturage. Is truly perennial and prefers lime soil. As a lawn grass it is the finest there is—spreading habit, even texture, permanent, fine leaf, and dark color. For pasture sow 50 lbs. per acre; for lawns, 4 or 5 lbs. per 1,000 square feet. Lb., 25c; 10 lbs., \$2.25; 100 lbs., \$17.50.

**MEADOW FESCUE, OR ENGLISH BLUE GRASS** (*Festuca Pratensis*). A valuable grass for permanent pastures, and for meadows for cutting which are rather damp. Makes a quick second growth, but does not do well on dry soils. Often sown in mixtures. Sow 30 lbs. per acre. Lb., 25c; 10 lbs., \$2.20; 100 lbs., \$20.00.

**ORCHARD GRASS, OR COCKSFOOT** (*Dactylis Glomerata*). One of the most valuable of all pasture grasses; produces an immense quantity of forage, and hay of best quality. After being sown, comes up quickly and yields very heavily. Suitable for pasture under trees. Not suitable for lawns as it grows in tussocks. Sow 35 lbs. per acre. Lb., 25c; 10 lbs., \$2.00; 100 lbs., \$17.50.

**PERENNIAL, OR ENGLISH RYE GRASS** (*Lolium Perenne*). It grows rapidly and makes a good showing within a month from time of sowing; grows very rapidly. The great pasture

and meadow grass of Great Britain. Valuable for planting early on dry hillsides, as it grows so very quickly. A good lawn grass, but a little coarse. Sow 60 lbs. per acre. Lb., 15c; 10 lbs., \$1.50; 100 lbs., \$12.50.

**RED, OR CREEPING FESCUE** (*Festuca Rubra*). Forms a close, rich sod and is valuable in lawns, and should be in shade mixtures. Makes a close, lasting turf on dry, sand soils, and can be used to bind dry banks. Also an excellent bottom grass for moist mixture. Sow 30 lbs. per acre. Lb., 40c; 10 lbs., \$3.75; 100 lbs., \$35.00.

**RED TOP** (*Agrostis Vulgaris*). Herd's grass. Second only to Timothy as hay grass, and better if the ground is to be pastured afterward, for Red Top makes one of the best permanent pastures. Succeeds on all soils, though doing best on moist and even swampy land. A permanent grass and valuable as a lawn grass, giving quick effect. Sow 40 lbs. per acre. In Chaff, lb., 20c; 10 lbs., \$1.75. 100 lbs., \$15.00. Fancy, free from chaff. Sow 15 lbs. per acre. Lb., 30c; 10 lbs., \$2.75; 100 lbs., \$25.00.

**SHEEP'S FESCUE** (*Festuca Ovina*). Short and dense in growth, excellent for sheep pastures, because it will thrive on poor, gravelly, shallow or hilly soils where other grasses fail. Not recommended for lawns under ordinary conditions, because it bunches. Sow 35 lbs. per acre. Lb., 30c; 10 lbs., \$2.75; 100 lbs., \$25.00.

**TALL MEADOW OAT GRASS** (*Avena Elatior*). Of rapid luxuriant growth, recommended for soiling and permanent hay mixtures; also for winter grazing. This variety is not a lawn grass. Sow 50 lbs. per acre. Lb., 30c; 10 lbs., \$2.20; 100 lbs., \$20.00.

**TIMOTHY** (*Phleum Pratense*). The grade we offer is particularly "choice," free from weed seeds and of high germinating power. Timothy is the great standard hay grass of the Eastern part of the country. It makes hay of the best quality and produces a larger crop on good soil than any other grass. Not adapted for pasture, as there is little growth after cutting and tramping of stock soon destroys it. Not a lawn grass and not adapted for dry soils; height, 2 or 3 feet. Often sown with red top and red clover. Sow 15 to 20 lbs. Price fluctuates. Lb., 10c; 10 lbs., \$1.00; 100 lbs., \$9.00.

**WOOD MEADOW GRASS** (*Poa Nemoralis*). Of early growth and thriving well under trees where other grasses will not grow. Valuable for pasture, but expensive. As a lawn grass its creeping roots soon form a good turf. Sow 30 lbs. per acre. Lb., 75c; 10 lbs., \$7.00.

## PASTURE MIXTURES

We have two mixtures of grasses which are excellent for pastures. They contain all of the best grasses for feeding, including those highly priced. No effort or expense has been spared to get the best. These will outlast and outyield any single grass.

**DRY PASTURE MIXTURE.** Per lb., 25c; 10 lbs., \$2.00; 100 lbs., \$18.00.

**WET PASTURE MIXTURE.** Per lb., 25c; 10 lbs., \$2.00; 100 lbs., \$18.00.

Our experience is at your service. Write us

# GRASSES AND FIELD SEEDS

Below we are offering Seed Grains that have quality and if you are looking for results and not for cheap inferior seeds it will pay you to order from us, even though you can perhaps save a few cents on a hundred pounds by buying nearer home.

## BARLEY

**BEARDLESS BARLEY.** An extra selected strain entirely free from beards, making it much preferable for hay and on account of being so easy to handle best for grain. Price \$3.25 per 100 lbs.; less than sacks, 3¼c.

**HULLESS, OR BALD BARLEY.** It is more productive than wheat and is earlier. It can be sown late with reasonable assurance of a crop. Makes a fine grain food for hogs and other stock. Price \$3.00 per 100 lbs. Less than sacks 3½c.

## OATS

Use quality seeds to get the most out of your ground. Don't look at the price of the seed stock, for we are obliged to make an additional charge for the labor we have expended in recleaning and selecting the stock.

**SHEDLAND SELECTED SWEDISH OATS. MORE TO ACRE. SUPERIOR QUALITY.** Our best stock grain, large, full and white. Husks light, straw hardy and extra large, making it stand up better. Worth the additional cost. We invite comparison and will furnish samples. 10 lbs., 60c; 100 lbs., \$3.50; by express or freight.

**DAN'SH GIANT.** A splendid variety for Puget Sound country, where season is short. Grass tall and sturdy and stands the stormy weather without losing the grain. We recommend this to be used with Field Peas and Vetch. 10 lbs., 50c; 100 lbs., \$3.00; express or freight.

**OREGON GRAY WINTER.** Used exclusively for fall planting. 10 lbs., 40c; 100 lbs., \$2.50; by express or freight.

**BLACK ALASKA WINTER OATS.** This is an exceedingly hardy winter variety which we consider does the best in Western Washington.

It is a variety that stands the most severe winters and does extremely well when planted with Vetch. Price \$2.50; less than sacks, 3¼c per lb.

## RYE

**RUSSIAN FALL RYE** for winter and fall sowing is a thoroughly recleaned seed from which all the small and broken seeds have been taken. Is a valuable crop for providing green fodder in late fall and early spring. Is mostly sowed with vetch and field peas; \$2.50 per 100 lbs.; less than sack lots, 3¼c.

## WHEAT

We carry in stock at all times the finest recleaned seed wheat obtainable in the Northwest and can quote you prices on Blue Stem, Club, Turkey Red in keeping with the quality of the seed. Write us when you are ready to plant for samples and price.

## VETCHES

This valuable crop is fastly becoming used very extensively all through the Northwest. It is fine for silage, pasture soiling and cover crop.

**COMMON OR SPRING VETCH** is best adapted for west of the Cascades, where it is very successful when sown with Winter Rye, Oats or Wheat. Does well when sown in spring. 10 lbs., 75c; 100 lbs., \$5.50; by express or freight.

**WINTER SAND OR HAIRY VETCH.** Does best east of mountains and may be sowed either fall or spring. 10 lbs., \$2.00; 100 lbs., \$17.50; by express or freight.

## FIELD PEAS

Makes good silage or green feed and is excellent for turn under for green manure.

**CANADIAN FIELD PEAS.** The most popular variety. Sow with oats in spring. 10 lbs., 60c; 100 lbs., \$5.00; by express or freight.

**WHIP POOR WILL COW PEAS.** Grown quite successfully as a fodder plant and to turn under. 10 lbs., 85c; 100 lbs., \$6.25; by express or freight.

## FLAX

We have a splendid lot of recleaned Western grown Flax. New crop; large, plump seeds. 10 lbs., \$1.00; 100 lbs., \$8.50; by express or freight.

## KALE

**THOUSAND HEADED KALE.** A most valuable green feed for cattle, hogs and poultry. It is hardy and does not lie down in this locality. Sow in rotation and you will have green feed at all times. Lb., 50c, postpaid.

## DWARF ESSEX RAPE

Very valuable for poultry raisers for green feed. Sow rotation crops and you will have green feed at all times. Poultry men claim there is nothing better. Lb., 25c, postpaid; 10 lbs., \$1.25, by express.

We will gladly furnish you samples of grass if asked for.



# FIELD CORN

## WASHINGTON GROWN SEED CORN

An early Yellow Dent Variety that has taken 10 years to bring to its present standard. This year seed was sown May 20 and harvested September 15, thus assuring a perfectly matured corn. The ears are good size and well filled with a fine heavy corn. Sold only on the ears and you can be assured of what you are getting; per ear, 15c, 10 ears \$1.25, postpaid.

**PRIDE OF THE NORTH** (90 days). A quick growing variety that does exceedingly well west of the Cascades. Planted as late as July 4, it has fully matured by October 1st.

**YELLOW GOLDEN DENT.** A northern grown Corn that has done exceedingly well in this locality. Exceedingly good for silos.

**IMPROVED KING PHILLIP** (Extra Early Red Flint). Extremely hardy, and one of the best early sort.

All field corns 15c lb., postpaid; 10 lbs., 775c; 25 lbs., \$1.50; 100 lbs., \$5.00, by express or freight.

**IOWA GOLD MINE.** A splendid yellow dent variety. Does well in this locality.

**WHITE DENT.** A good variety of White Corn that is the result of careful selecting. Fine for fodder.

**MINNESOTA NO. 13.** Grown extensively in Skagit county and has known to mature very well.

**KING PHILLIP.** An early red flint which is exclusively used by some ranchers for ensilage.

### SUDAN GRASS

A grass seed which can be grown on the most barren arid land and produce fine stock feed and is especially good for our hot, high, dry section, but will stand considerable moisture. It is an annual and must be seeded each year and not until after the ground becomes thoroughly warmed. Price 20c per lb.; \$18.00 per 100 lbs.

### FETERITA

A sorghum of special value in dry farming section; especially good for hog feed. Price 15c lb.; \$10.00 per 100 lbs.

### BUCKWHEAT

**WHITE OR SILVER HULLED.** A good and popular variety. A valuable plant for bee raisers. 10 lbs., 50c; 100 lbs., \$4.00; by express or freight.

**JAPANESE.** The best and most profitable variety to grow. Usually more productive and earlier. We recommend it to all bee raisers. 10 lbs., 50c; 100 lbs., \$4.00; by express or freight.

### MILLET

**GERMAN OR GOLDEN.** A medium early variety, growing four or five feet high, and making a very good quality of hay or forage, although coarser than some varieties. Price, \$5.50 per 100 lbs.; less than sack lots, 6½c per lb.

### HUNGARIAN

Grows three or four feet high, with slender stems and abundant leaves, producing two or three tons of excellent hay per acre. Price, \$5.50 per 100 lbs.; less than sack lots, 6½c per lb.

### MAMMOTH RUSSIAN SUNFLOWER

The largest variety, bearing heads fifteen to twenty inches in diameter, and producing an immense amount of seed. The seed is excellent poultry food when mixed with grains, and should be more generally grown by poultrymen. Price, 1 lb., 15c; 10 lbs., \$1.25.

For Mangel see the regular listing.

Many failures are caused by planting too early

# FLOWER SEEDS

There are no more satisfactory flowers than those grown from seed especially the easily grown and brilliant flowered annuals. The beautiful shrubs and lilies, of course, have their place, but are far more expensive than a paper of seed which will furnish a large number of plants with usually enough for one's garden and some to spare.

Aim to have your garden one artistic unit, with some flowers in bloom at all seasons, with colors which harmonize, and plants in size grading from the dwarf borders, to the bedding annuals, and then to the taller plants, which usually should stand next to the house or other confines of the garden or lawn. A garden carefully thought out and planted gives very much more pleasure than a haphazard one.

A perfect garden could not be made from seed alone; the grounds must have some shrubbery for its permanent character. We have a nursery department, which supplies every need for private grounds of all dimensions; see our list of trees and shrubs in the succeeding pages of this guide. On the other hand no garden would be pretty or satisfactory which did not have a good number of flowers from our flower seed list most carefully chosen and placed in the garden.

## WHEN TO PLANT FLOWER SEED

Perhaps you have noticed that many of the descriptions of flowers contain the words "annual," "hardy annual," "tender annual," "perennial," "tender perennial," etc. These may have seemed to you tiresome descriptions, but properly understood they tell much about planting.

**HALF HARDY** means the plant will stand any light frost, but needs protection against very cold weather. These should be planted in the spring (March and April), not in the fall.

**HARDY** means the plant will stand considerable frost, or practically all we have on the Pacific Coast. These may be planted in the fall or in the spring (October to May). If sown in the fall they will come into bloom earlier than if sown in spring, even if the plants do not make much progress during the cold weather.

**ANNUALS** are plants that bloom the first year from seed, and the plant dies after one season. Tender annuals must be sown in spring (April to June) and hardy annuals may be sown in either spring or fall (October to May).

**BIENNIALS** are plants that bloom the second year from seed, and the plant dies after the second year. On the Coast many of these will bloom the first year if sown early. Sow under same conditions as perennials.

**PERENNIALS** are plants that bloom the second year from seed, and the plant lives and blooms during successive years. If sown in early spring (February to April 15) many perennials will bloom the first year from seed. Tender and half-hardy perennials are best sown in spring after frost is over (April 15 to June). Hardy perennials are best sown in the late summer and early fall (July to October) for next year's flowers.

## HOW TO SOW FLOWER SEEDS

The success from sowing seeds depends upon three things, the right amount of water, of air, and of heat, which means practically have your soil right as to moisture and texture, your seed sown at a proper depth and where the sunshine can furnish the heat. Soil that is hard and going to bake is not right to start seeds in. Take such soil in the fall and spade in manure or leaf mould and let it rot for several months, and then work up fine. In the spring add to a heavy, that is clayey, soil peat or decayed leaf mould, and sand (sharp, fresh-water sand), so that there is one-third loam, one-third sand, and one-third leaf mould. This makes an excellent soil for starting fine seeds. For potting add a small amount of old sheep or cow manure.

## SEED IN THE OPEN

Seeds of hardy annuals are sown directly in the bed where they are to remain, or they may be sown in boxes and transplanted. Have the ground well worked up and mixed with leaf mould, if needed. The soil should be well moistened, not wet and soggy and not, by any means, dry when the seeds are sown. Put all medium-sized seeds at a depth of one-quarter to one-half inch. Sweet Peas should go deeper. Very fine seeds should be pressed into the soil and a little sand sifted over them. Water more frequently if the seed is close to the surface, and if necessary protect with cheesecloth while watering. Always press or firm the soil after sowing any seed. These seeds are best sown in the open so as not to be transplanted, Eschscholtzia, Nasturtium, Poppy, also very many others, may be profitably so sown.

If the seed be sown directly in the garden, it should be sown in the spring after the soil is well worked and when in moist condition. A slight depression should be made with a stick, the seed sown, and when covered with sandy loam about twice the depth of the diameter of the seed. The seed will prevent the crusting over of the soil after watering.

When up, the plants must be thinned from two to twelve inches, depending on the variety, otherwise they will be weak and spindling. It is a common mistake in the garden to leave plants altogether too thick. Always keep the weeds out.

## SEEDS IN BOXES

Always use care in getting a good loam as described. Use no manure in any seed box. Boxes 4 inches deep and 18x24 inches is the usual size. See that the good drainage is provided by boring holes in the bottom, fill with the fine prepared soil which should be moist, but not wet enough to stick together when squeezed with the hand. Sow the seed about one-quarter inch deep except fine seeds. Water, so as to keep the soil always just moist. Water carefully and regularly. A pane of glass over the box adds more heat, protects from draughts, prevents drying out, and is not necessary except for difficult seeds. The box should be in the sunlight. When the plants are in third or fourth leaf they should be picked out and reset in another box with plenty of room, for it is important that the plant be of good size, strong and sturdy, when finally transplanted in the garden.

Another mistake in sowing flower, as well as other seeds, is covering too deep. As a general rule, cover only to the depth of the thickness of the seeds; or, with medium-sized seeds, like Balsams, Zinnias, etc., one-quarter to one-half inch is the proper depth. Such fine seeds as Portulacas, Nicotiana, etc., need only to be pressed into the soil with a piece of board or the palm of the hand. Always press the earth down firmly after sowing all flower seeds, else there is danger of their drying up before the roots can get firm hold of the soil. Seeds of the hardier annuals may be sown where they are to grow; but, often, it is preferable to transplant. When the seedlings are first set out they should be watered frequently and should be protected from too much sunlight and from heavy rains. Provide some support for all such annuals as require it.

## NOVELTIES IN FLOWER SEEDS



**BENARY BRANCHING ASTER**

The following novelties are a finer grade of seed than the average, and come only in sealed packages.

### ASTERS

Any one who likes long-stemmed branching Asters wants this magnificent new Aster. Flowers usually 4 and sometimes 5 inches across, very double and as fine as any chrysanthemum. We consider this the finest Aster there is and culture the same as other Asters. We have the following:

**YELLOW**, pkt. 15c.

**WHITE**, pkt. 15c.

**LAVENDER**, pkt. 15c.

**SALMON**, pkt. 15c.

**BLUE**, pkt. 15c.

**COLLECTION** of one of each of the five for 50c.

### MASTERPIECE PANSY

Our stock of Pansy seed, especially of this variety, is the finest to be had in all of Europe. The flowers have been known to measure up to 4 inches across and invariably run between 2 and 3 inches. The seed comes in mixed colors, with a greater portion of the blotched varieties.

What is prettier and gives more pleasure than a bed of pansies? Packet contains enough seed to be assured of 100 plants. Sold only in 25c packets. Try one.

### DIPPE'S SELECT GERMAN STOCK

We have secured a selected strain of this choice flower, which bears fully 80% of double flowers. They bloom very early. A beautiful soft pink, long stems. Fine for cut flowers. Packet, 15c.



**MASTERPIECE.**

If you send east for your flower or garden seeds you are making a mistake. We can sell you as good





WALL FLOWER—CLOTH OF GOLD

**ASTER**

**SINGLE JAPANESE.** One of the best varieties of single Asters that has ever been introduced. It is truly a wonderful flower and as Asters are so easily cultivated every lover of flowers should try a package. Pkt., 15c.

**SNAPDRAGON**

**OTHELLO.** This type produces a longer stem and larger individual flowers. It is a beautiful dainty flower and amongst the finest of the new Snapdragon. There is no more satisfactory flower for the garden. Pkt., 15c.

**NEW RED SUNFLOWER**

Something Absolutely New in Sunflowers.

Henderson's New Red Sunflowers are as easily grown from seed as any other annual Sunflower—they thrive in almost any soil in a sunny position. The seed may be sown in the open ground when warm enough—or it may be started in the house or hot bed. The plants commence flowering in about 8 weeks from seed sowing, and should stand not nearer than 3 feet apart for best development. Pkt., 15c.

**WALLFLOWER DOUBLE****CLOTH OF GOLD**

This is the finest variety of the Wall Flower. Not the common one, as it differs in shape. This one blooms in a sort of a spike. If you are a lover of the Wall Flower try a package of this at 15c.

**VIOLET BLUE WALLFLOWER**

A rare novelty that has attracted considerable attention wherever shown. Is a tall branching variety and a beautiful specimen. Pkt., 15c.

**CARDINAL CLIMBER**

**CARDINAL CLIMBER.** A climber of real merit, grows thirty feet and bears a mass of fiery cardinal red flowers. Plant late, as the seeds require warm weather to start. Pkt., 25c.

**FORGET-ME-NOT**

**HYBRIDA ARGENTINA.** A new type of this old-fashioned flower that has just been introduced by the largest grower of flower seed in Europe. They claim it the finest to be had. Flowers light blue, compact, and blooms from early spring until autumn. Pkt., 15c.

**POPPY**

**DOUBLE RANUNCULUS.** Something decidedly new in the double flowering poppy and one that will become a great favorite as soon as it becomes generally known. If you want the best try a package of this. Pkt., 15c.

**ALYSSUM**

**BENTHAMII COMPACTUM.** A very dwarf growing Alyssum that is especially recommended for borders. This is a better type than the common flower. We have a small lot of this selected seed. Pkt., 15c.

**ACROCLINIUM.** Very pretty annual producing white and rose colored daisy-like flowers in August and September. They are the immortelles so desired for wreaths and fall bouquets. One foot high. White, pkt., 5c; Rose, pkt., 5c.

**ADLUMIA CIRRHOSA** (Mountain Fringe, or Allegheny Vine). An attractive and beautiful hardy climber, biennial, flowering the first season, clusters of small rosy lilac flowers and pale green feathery foliage. Grows 15 feet tall. Pkt., 10c.

**ADONIS** (Floss Adonis or Pheasant's Eye). A hardy annual of easy culture, growing about one foot high. Leaves fine cut and feathery, flowers crimson. Pkt., 5c.

**AGERATUM.** A hardy annual of easy culture, especially valuable for bedding, as it is literally covered with blossoms all summer. Sow the seed early in the spring, either in boxes to transplant, or out of doors. Color deep blue. Pkt., 5c.



**SWEET ALYSSUM.**

**ALYSSUM.** A fragrant, hardy annual, having the odor of honey and bearing spikes of small white flowers in great profusion throughout the summer and autumn. Useful for borders or early bedding flowers. Sow the seed early in the spring.

Common Sweet Alyssum, pkt., 5c; oz., 30c.

Little Gem, 3 to 4 inches high. Pkt., 5c; oz., 50c.

Dwarf Bouquet, highly scented, something new. Pkt., 10c.

Saxatilc, a yellowish sort, perennial. Pkt., 5c.

Benthami Compactum, see novelties.

**ARGOSTEMA** (Rose of Heaven). This plant has silvery white leaves and red flowers, borne on long slender stems; flowers resemble a single pink. Two feet high. Perennial, mixed colors. Pkt., 5c.

**AMARANTHUS.** Hardy annual, grown especially for their brilliant foliage.

Love Lies Bleeding. Foliage light yellowish green, crimson flowers. Pkt., 5c.

Prince's Feathers. Tall spikes of feathery red flowers. Pkt., 5c.

Joseph's Coat. Foliage variegated red, yellow and green. Pkt., 5c.

**ANCHUSA.** A hardy annual bearing blue Forget-me-not like flowers. Pkt., 5c. Flesh color, pkt., 5c.

**ACACIA ARMATA.** Pkt., 5c.

**ALONSOA.** Pkt., 5c.

**ACANTHUS SPINOSUS** (Bear's Breach). A fine perennial and a very effective flower, does well in shady places. Pkt., 5c.

**ANEMONE.** A half-hardy perennial cup-shaped flowers in blue, red, and white; comes into bloom in May and June. Pkt., 5c.

**AURICULA** (Primula Auricula). A great favorite in England where flower shows are held of this plant alone. It is not very well known here but it is fast coming into popularity. Extra choice seeds for displaying. Pkt., 15c.

**ASPARAGUS.** The well known Asparagus fern used for decorating and in bouquets can be easily grown with a little extra care. Seeds start slowly and should be soaked in warm water before sowing.

Plumosus. The tall Asparagus fern with delicate feathery foliage. Pkt., 10c; 25 seeds, 25c.

Sprengeri. An early, easily grown, feathery-leaved variety, especially for hanging baskets. Pkt., 10c; 30 seeds, 25c.

**ABRONIA** (Sand Verbena). A hardy annual trailing in habit, about nine inches high, bearing verbena like clusters of flowers. Thrives in dry places and valuable in rock work and hanging baskets. Pkt., 5c.

**ACHILLEA** (The Pearl or Sneezewort). One of the best hardy perennials, bears a profusion of small double, white flowers the entire season. Fine for cutting. Pkt., 15c.

**ARABIS ALPINA.** A white, early blooming flower, called Snow in the Mountain; a beautiful perennial that does well in this location. Pkt., 10c.

**BELLIS PERENNIS** (Double Daisy). The little daisy we all like growing in our lawns, used extensively for borders. A hardy perennial that improves with cultivation. Red, White and Pink. Pkt., 10c; mixed colors, pkt., 10c.

**GIANT MONSTROSA—FINEST DAISY.** A new and giant flowering daisy. The flowers are from 2 to 3 inches across, stems long and can be used as a cut flower. Pkt., 25c.





### ASTERS

We are offering below a variety of Asters that can not be excelled anywhere. Besides the Branching Asters, we offered in the novelties, we have the well known Comet, Hercules, Victoria and Elegance. The best results are obtained by planting in boxes and transplanting, although they can be raised successfully by planting outside in the open ground.

**GIANT COMET ASTER.** A taller variety of the Comet type with branching stems and very valuable for cutting. White, Peach Blossom, Scarlet, Dark Blue, in separate colors, and these varieties in a mixture. Pkt., 10c; or 4 varieties for 30c.

**HERCULES ASTER.** One of Benary's most modern introductions. It has long curly petals which droop and curl gracefully from the center and resembles a Chrysanthemum and often measures 5 inches across. They need rich soil and careful attention to bring out these results. Pkt., 25c.

**VICTORIA.** One of the best bedding varieties of the smaller sized blossoms. They grow from 12 to 14 inches high, and are great bloomers. White, Rose Blue. Pkt., 5c; mixture of all colors, pkt., 5c.

**SEMPLER or GIANT BRANCHING.** This is the favorite amongst the branching Asters. It is a well known variety and does excellent in this locality. The flowers are large, and the coloring exquisite. White, Lavender, Pink, Dark Blue. Pkt., 10c, or a mixture containing all colors, pkt., 10c.

**SINGLE ELEGANCE.** Something new and very fine. Only in mixed colors. Pkt., 10c.

**ASTER, NEW ENGLAND PERENNIAL (Michaelma Daisy).** A splendid flower, grows four to five feet. Hardy and a wild flower in New England. A very handsome flower. Mixed colors, pkt., 15c.

**BACHELOR'S BUTTON (Corn Flower).** A hardy annual easily cultivated, and our seeds are the improved sort that produce handsome flowers of a great variety of rich colors. Pkt., 5c.

**Emperor William.** The latest introduction, very rare. Pkt., 10c.

**BALLOON VINE (Love-in-a-puff).** Climbing annual, kowers small but the seed pods are curiously swelled and quite attractive. Pkt., 5c.

**BALSAM (Lady's Slipper).** A tender annual with brittle stems and foliage. Grows twelve inches high. Flowers both single and double in very bright colors, are waxy and very attractive. Double varieties, Rose, Scarlet and Lilac. Pkt., 10c.

**BEGONIA.** Usually grown from bulbs. See Bulbs.

**BROWALLIA.** A half hardy annual making a fine bedding plant, blooms profusely. The flowers are bright ultra marine blue, and also sky blue with white centers. Pkt., 5c.



### WHITE EMPRESS CANDYTUFT.

**CANDYTUFT.** A hardy annual growing from six to ten inches high according to the variety. It is amongst the most highly prized of garden annuals. Grows easily and does exceedingly well in this locality. Excellent for borders, bedding or masses.

Common sweet scented variety. Pkt., 5c; oz., 20c.

White Empress, very large heads and long spikes. Pkt., 10c; oz., 50c.

Carmine-purple, or White Rocket. Pkt., 5c; oz., 40c.

Gibraltarica. A perennial lilac shading to white. Pkt., 10c.

**CANNA CROSBY.** Mixture of the popular varieties of the new type. Flowers red and yellow; foliage very large and striking. Pkt., 10c.





CARNATION.

**CARNATIONS.** We recommend the following varieties for out of door culture. Sow the seeds early in the year and transplant in April. For florist varieties see Plants.

**GRENADIN CARNATION.** Extra select double border Carnations; white, scarlet and mixed. Pkt., 15c.

**GRENADIN SCARLET.** A selected seed. Blooms freely and early and especially fine for borders. Pkt., 15c.

**MARGUERITE CARNATION.** Blooms in four months from seed. Separate colors, white, yellow, dark red and a mixture of all these colors. Pkt., 10c.

**CALLIOPSIS ATKINSONI.** Yellow and brown, a selected strain. Pkt., 10c.

**LANCEOLATA GRANDIFLORA (Perennial).** No flower lasts as long as this one. Flowers bright yellow, last well and a very satisfactory flower. Grows easily and well from seed. Pkt., 10c.

**CANARY BIRD FLOWER.** A tender climbing annual of the Nasturtium family. Blossoms have curiously winged petals and are light yellow. Pkt., 5c.

**CALCEOLARIA.** A tender perennial used largely in hot houses and conservatories. Bears great quantities of small flowers which are beautifully tigered and spotted. Pkt., 25c.

**Olympia Grandiflora.** A selected stock, large flowered, self-colored; a profuse bloomer. Pkt., 35c.

**CALENDULA (Pot Marigold).** Very hardy annual, blooms freely and lasts for several months. It is of easy culture and thrives well in poor soil where less sturdy flowers do poorly. Mixed, pkt., 5c.

**CALENDULA METEOR.** Large double yellow flowers, striped with orange. Pkt., 5c.

**PRINCE GEORGE.** A fine deep scarlet. Pkt., 5c.

**CALLIOPSIS or COREOPSIS.** A hardy annual, growing about three feet high and valuable for bright bedding effects. Blossoms single and about three inches in diameter. Mixed, pkt., 5c.

**CELOSIA or COCKSCOMB.** A half hardy annual growing six to eight inches high, bearing a wide wavy blossom that resembles a cockscomb. Dwarf mixed, several shades of red and yellow mixed. Pkt., 10c.

**Magnificent Crimson.** A very bright color. Pkt., 10c.

**Magnificent Golden Yellow.** A fine contrast to the Crimson. Pkt., 10c.

**CANTERBURY BELL (Campanula).** A hardy biennial that usually flowers the first year from seed. They are very ornamental, producing large bell shaped flowers of exquisite shades. Single varieties of white, blue, purple and red flowers. Pkt., 10c; mixed varieties, pkt., 5c.

**Cup and Saucer type.** Blue, rose, light blue and mixed. Pkt., 10c.

**CASTOR OIL BEAN or RICINUS.** A tender annual growing from six to fifteen feet high, bearing a variety of colored leaves. Grows very easily. Pkt., 5c.

**CLARKIA.** A hardy annual of easy culture, growing about eighteen inches high, bearing bright double rose, white or purple flowers in great profusion. Seeds can be sown almost any time. Pkt., 5c.

**CENTAUREA.** A hardy annual embracing a number of species some being grown only for their foliage. See Bachelor's Button Sweet Sultan, Royal and Dusty Miller. Pkt., 5c.

**CHRYSANTHEMUM.** See the plant department for the Hybrid varieties. The ones below listed are the annuals.

**Painted Daisy.** Grow from one to one and one-half feet high, grows easily and are very attractive. Pkt., 5c.

**Tricolor.** These are large single flowered sorts with colors in rings, mixed. Pkt., 5c.

**Half Dwarf,** of compact growth, flowers large, abundant and later than many sorts. White, scarlet, lilac, rose or mixed. Pkt., 10c.

**Lord Beaconfield.** A white outside growing flower that gives very good satisfaction. Pkt., 10c.

**Golden Feather.** A very large fluffy yellow chrysanthemum that we can recommend. Pkt., 10c.

**Venustum.** A rose variety which goes well with the white and yellow. Pkt., 10c.

**CINERARIA.** Bears a daisy like flower in purple, white, red and blue, with a dark center. Does exceedingly well in shaded places. They are used extensively as potted plants.

**Hybrida Mixed.** The best varieties having large flowers and brilliant colors. Extra choice seeds. Pkt., 50c.

**COBAEA SCANDENS.** A half hardy climbing perennial with large leaves, and bell shaped flowers. Grows twenty feet and is very valuable for covering lattice, fences etc. (Plants in season.) Pkt., 10c.

**CLINTONIA.** Half hardy annual, especially fine for borders. Very easily grown. Blue and mixed varieties. Pkt., 5c.

**COLEUS.** A tender perennial, quite impossible to start outside of a green house. (Plants in season.) Pkt., 25c.



**COSMOS.** One of the very finest late summer and fall flowers. Excellent for cutting. The plant grows tall and is full of pink, white and crimson blossoms. Cosmos should be in every garden. Grows easily. Pkt., 10c.

Grandiflora Mammoth Cosmos. Late flowering pink, crimson, white and mixed. Pkt., 10c.

**CYCLAMEN.** A tender bulbous perennial, used in green houses and window gardens. It can be grown from seed with a little care. Sow in fall or early in the spring. Mixed, pkt., 10 seeds, 25c.

**CYPRESS VINE.** A tender climbing annual. Grows rapidly. Has handsome fern like foliage and brilliant attractive flowers. White, scarlet or mired. Pkt., 5c.

**CONVALVULUS.** See Morning Glory.

**COLUMBINE (Aquilegia).** A hardy perennial growing about two feet tall. Stands partial shade. This is commoner known as the honey-suckle. Single and double varieties. Pkt., 5c.

**CORDYLINE.** Pkt., 10c.

**DAHLIA.** Some of the newest and best varieties of the well known flower has been produced from seeds. We have endeavored to obtain the best to be had in Germany and one can sow early and you will have flowers the same year.

Cactus. Mired colors. Pkt., 10c.

Double, which includes Show and Pompon. Pkt., 10c.

Single. This variety does the best when planted from seed. Pkt., 10c.

**DAISY.** See Bellis for double daisies.

**SHASTA DAISY.** A fine perennial plant, bearing large white single blossoms with yellow centers. Soak seeds in warm water before planting. Pkt., 15c.

**ALASKA.** One of Burbank's new Daisies. Pkt., 25c.

**DIANTHUS,** or Pink, see pinks and Sweet William.

**DATURA (Trumpet Flower or Horn of Plenty).** A hardy annual growing three feet high. Flowers large and trumpet shaped. Pkt., 5c.

**DIMORPHOTECA.** Similar to a Marguerite, and a truly wonderful flower. Beautiful shades of white, red, blue, yellow and orange. Extra fine for borders or bedding. Sow seeds early in spring. Pkt., 10c.



**ESCHSCHOLTZIA (California Poppy).** A hardy annual which is one of the most popular and beautiful flowers. It being very easily grown and gives great satisfaction. Pkt., 5c; oz., 35c.

Mandarin. Blossoms are copper colored outside, and bright yellow inside. Pkt., 5c; oz., 35c.

California Double. Pkt., 5c; oz., 35c.

Carminca. A new variety, rose cardinal. Pkt., 10c.

**FRAGARIA.** One of the best plants for hanging baskets and trailers. A perennial that can be grown very successfully in rock work. Plant in boxes and transplant. Pkt. of very choice seeds, 25c.

**EVERLASTING FLOWERS.** A mixture of all the varieties we have. Exceptionally good. Pkt., 5c.

**DIGITALIS (Foxglove).** A hardy perennial blooming the second year from seed. The bell shaped flowers are borne on long spikes and come in shades of purple, lavender, yellow, rose and white. Thrives best in cool shady places. Fine mixed, pkt., 5c.

Yellow. One of the favorite colors. Separate color, pkt., 10c.



**FOUR O'CLOCK** (Marvel of Peru). A hardy annual, about two feet high, of very easy culture. Flowers are purple and white. One of the old fashioned favorites. Mixed colors, pkt., 5c.

Variegated and striped leaves, mixed, pkt., 10c.

**FOXGLOVE.** See Digitalis.

**FEVERFEW.** Called double feverfew. A plant growing eighteen inches high, and bearing great numbers of pure white double flowers. Pkt., 5c.

**FUCHSIA.** See plants which we have in season.



**FORGET-ME-NOT** (Myosotis). A favorite old fashioned flower bearing in profusion, especially in the spring, great masses of dainty blue flowers. It thrives the best in moist shady spots. One of the best perennials.

Alpestris, a trailer, different blue shades. Pkt., 10c.

Silvatica, light blue shades. Pkt., 10c.

Indigo Blue, all dark blue shades. Pkt., 10c.

Ruth Fischer, a new introduction, very fine. Pkt., 15c.

New Compacta, very dwarf, a great bloomer. Pkt., 15c.

**GAILLARDIA.** A very pretty flower with brilliant scarlet and yellow blossoms. Blooms freely all the summer until late into the fall. A hardy annual. Single mixed, pkt., 10c; double mixed, pkt., 10c.

Grandiflora Maxima, a perennial variety, golden. Pkt., 10c.

**GLOXINIA.** One of the best hot house plants, with large yellow bell shaped flowers which come in rich bright colors. Sow in the fall, or early spring. Selected seed, pkt., 25c.

**GERANIUM.** Plants of the various shades carried in season.



**GODETIA.** A hardy annual six to ten inches high. A heavy bloomer of satiny cup shaped flowers in deep red, pink and white shades. A valuable plant for bedding. Sow seed early. Pkt., 5c.

Tom Thumb varieties, or Dwarf Finest Mixed. Pkt., 5c.

Lady Albemarle, dark crimson. Pkt., 10c.

Princess Henry, rose with large crimson blotches. Pkt., 10c.

**ORNAMENTAL GRASSES.** We list below the varieties that do the best in this locality. They are quite attractive and are of easy culture.

Japanese Lawn Grass. Pkt., 5c.

Pampas Grass. Pkt., 10c.

Feather Grass. Pkt., 10c.

**GYSOPHILA** (Baby Breath). A fine feathery plant that is very useful in making up Sweet Pea bouquets. A lover of Sweet Peas should plant some Baby Breath.

Muralis. An excellent border plant, pink flowers. Pkt., 5c.

Paniculata. Fine for bouquets, white flowers, perennial. Pkt., 5c.

Elebens. White, best annual variety. Pkt., 5c.

Pink. Best pink variety. Pkt., 5c.

**GOURDS.** Our mixed seeds bear all shapes of this old fashioned plant. Pkt., 5c; oz., 25c.

**GOLDEN ROD.** A hardy perennial flowering late in the summer. Pkt., 5c.

**ICE PLANT.** A low growing tender annual. Fine for vases and rock work. Thrives in bright dry spots. Pkt., 5c.

You can't beat our seed and our prices are reasonable





#### HELICHRYSUM.

**KOCHIA (Summer Cypress).** A splendid ornamental plant forming dense oval bushes, one to two feet high. Light green foliage, and as summer advances this changes to carmine and then fiery red. Pkt., 10c.

**KUDZU VINE.** Called Jack in the Bean Stalk. A hardy perennial that will climb as much as forty feet in a season. First year grows ten feet. Fine for a permanent vine. Pkt., 10c.

**LARKSPUR, or Delphinium.** There are two distinct varieties of this, the annual and perennial. The annual grows from 1½ to 2 feet high. A great variety of colors and does well in any soil. Very easy culture, Dwarf Rocket, double mixed. Pkt., 5c.

Emperor, a branching variety that does excellent, double. Pkt., 10c. Rose and white, separate colors. Pkt., 10c.

The perennial is harder to start, and we advise planting in a box and then set out. The extra work is well spent and the flowers are better and the colors even more brilliant. By keeping the plants well watered and flowers cut they will bloom the whole season. Double mixed, pkt., 5c. Tall branching, mixed, pkt., 10c.

Cardinale. A scarlet that cannot be beat. Pkt., 10c.

Chinese Azurium. Single blue. Pkt., 10c.

Elatum Blue, various shades, dark centers. Pkt., 10c.

Formosum, a giant variety, blue. Pkt., 10c.

**HELICHRYSUM or (Everlasting Flower).** Is the best and most satisfactory of the everlasting flowers, and makes a beautiful bouquet of dried flowers. Mixed, pkt., 5c.

Doctor Livingston, a new variety Pkt., 10c.

**HELIOTROPE.** A half hardy perennial, growing two to four feet high. A very fragrant small flower that can be raised from seed the first year. Does very well against a wall in a shady spot. Finest mixed, pkt., 10c.

**HUMULUS or (Japanese Hop).** One of the very best climbing annuals we have. Fine for covering porches, fences, etc. Will grow twenty to thirty feet in a season. Pkt., 5c.

**HOLLYHOCK.** A hardy perennial of easy culture and a very satisfactory flower. Makes an excellent background and does well most any place you plant. Can supply clumps of most any color. Double varieties, mixed, pkt., 10c.

Red, yellow, white, lavender, pink and salmon. Pkt., 10c. Single varieties, mixed colors only. Pkt., 10c.

**LANTANA.** A tender perennial. Can be used as a hedge and bears a very pretty flower in clusters. Blooms all summer. Finest mixed. Pkt., 10c.

**LATHYRUS (Perennial or Everlasting Pea).** A hardy perennial that resembles a Sweet Pea, in habit and flowers, which are borne on strong stems with eight to ten flowers. Is very hardy and showy, and thrives in any good soil. Pkt., 5c.

**LUPINUS, or Lupins.** A hardy annual, native to California. Grows two to three feet high, and bear spikes of pea-shaped flowers. Of the easiest culture.

Cruikshankii. Double blue. Pkt., 5c.

Pink. Long spikes of bright pink flowers. Pkt., 5c.

Polyphyllus. Tall, handsome white flowers. Pkt., 5c.

Mixed varieties. Pkt., 5c.

**MARIGOLD.** A hardy annual. One of the best and easiest growing flowers we have. It is old-fashioned and loved by all.

Eldorado, called the African Marigold. The best tall variety, bears large double flowers. Pkt., 5c.

Mixed African, pkt., 5c.

Tall Yellow and Orange. Pkt., 10c.

Dwarf French, small flowers, double. Pkt., 5c.

Tall French. A mixture of tall double varieties. Pkt., 5c.

**POT MARIGOLD.** See Calendula.



TRAILING LOBELIA.

**LOBELIA.** A hardy annual and perennial. The annual grows four to six inches high, very compact and fairly covered with tiny blue flowers. They are especially used for borders and in hanging baskets.

**Crystal Palace Compacta.** This variety is mostly used for borders. Pkt., 10c.

**Gracilis.** Light blue. A trailing variety especially used for hanging baskets. Pkt., 10c.

**Speciosa.** Deep blue trailing variety. Pkt., 10c.

**MAURANDIA.** A beautiful climber for garden use, and for hanging baskets. Covered with Gloxinia shaped flowers of rich purple, white and rose. Pkt., 10c.

**MUSA ENSETE.** Abyssinian Banana. Splendid tropical plant; may be set outdoors in summer. 10 seeds, 20c.

**MUSK PLANT (Mimulus Moschatus).** A half hardy perennial. Very useful for window gardens; thrives best in damp shady spots, and blooms the first year from seed. Very fragrant. Pkt., 5c.

**MATTHIOLA.** Evening scented stock. They are exceedingly fragrant in the evening, scenting the surrounding atmosphere. Purple flowers. Hardy annual. Pkt., 5c.

**MIGNONETTE.** A half hardy annual that is known by every one, and is planted for its fragrant flowers, which come thickly. Set on compact spikes.

**Golden Machet.** A compact growing variety with medium long thick spikes of yellow flowers. Pkt., 5c; oz., 50c.

**Parson's White.** A tall variety with silvery flowers. Pkt., 5c; oz., 50c.

**Ruby Machet.** A compact variety bearing coppery flowers. Pkt., 10c.

**Grandiflora.** An exceedingly large flowering type. Pkt., 10c.

**Bismark.** A fine improvement over the older types; very strong grower, with large, reddish tinted flowers. Pkt., 10c.

**Goliath.** Finest of all giant trusses of brilliant red. This is fine to mix in with the less expensive sorts. Pkt., 25c.

**MOON FLOWER.** A beautiful white annual, out-door climber of rapid and luxuriant growth for covering verandas and arbors, or for screening fences, etc. Sow in boxes and transplant, or in the open ground when it becomes warm. The seeds should be soaked to hasten germination. Grows from ten to fifteen feet. Pkt., 10c.

**MORNING GLORY.** One of the oldest and most favorite flowers. The seeds we are offering are of improved type and give good results.

**Tall, or Climbing Varieties,** mixed, pink, white, and blue. Pkt., 5c.

**Imperial Japanese.** Flowers are larger and most of them, but not as good a climber. Pkt., 5c.

**Dwarf, or Bush variety.** Useful for beds, edging, or in hanging baskets. Pkt., 5c.

**NEMOPHILA, or Love Grass.** A hardy annual growing about six inches high. Has small cup shaped blossoms in white and blue shades. Pkt., 5c.

**NICOTINA, or Flowering Tobacco.** A hardy annual, growing about three feet high. Belongs to the tobacco family.

**Affinis.** White and very fragrant. Flowers open in evening and cloudy days. Pkt., 5c.

**Gracilis.** Flowers light blue. Pkt., 5c.

**NIGELLA (Love-in-a-mist).** A hardy annual, small flowers. Curiously shaped blossoms and seed pods. Very easily grown. Pkt., 5c.

**OXALIS.** A half hardy perennial. Flowers bright colored and very attractive. Suitable for rock work and edgings. Pkt., 10c.



## NASTURTIUMS

A tender annual in two classes, Dwarf and Tall, or Climbing. A great favorite that does exceedingly well in any location. Prefer a dry, poor soil, as the plants have more flowers than when planted in rich soil.

**TALL, or CLIMBING.** Of quick growth, covering a wall, hedge, fence, or trellis in a short time. Blossoms numerous, practically covering the entire plant from top to bottom. Pkt., 5c; oz., 10c.

**Lobb's Tall Mixed.** This variety is the dark colors with little mottled and striped colors. Very choice. Pkt., 5c.

**Tall Black Prince, Salmon Queen, Dunnett's Orange, and Jupiter,** in separate colors. Pkt., 10c.

**Dwarf.** This variety form a round bush-like plant, which is a mass of blooms all summer. Pkt., 5c; oz., 10c.

**LOBB'S CLOTH OF GOLD.** A dark blotched variety. Pkt., 10.

## PANSIES

Our pansy seeds are imported direct from the leading growers in Europe, and in that way we are assured that we have seeds that have passed the experimental stage and are bound to give you fine flowers.

For outdoor bedding seeds should be sown in boxes very early and covered with glass, then transplanted.

**BUGNOT SUPERB.** A round ruffled five petal type, with soft blended colors and tints, veined on the margin, and a dark blotch at the base of each petal. One of the finest varieties. Pkt., 25c.

**MASTERPIECE.** See novelties.

**ORCHID FLOWERING.** A mixture of delicate shades and pleasing light tones. Flowers light shades and entirely new. Pkt., 20c.

**TRIMARDEAU.** The largest flowering type of pansies; called the French strain. The petals are different sizes and very beautifully marked. Pkt., 15c.

**LARGE FLOWERING MIXED.** A mixture of practically all the varieties, shades and tints, with the exception of the rarest ones. Pkt., 10c.

**FINE MIXED COMMON VARIETIES.** Pkt., 5c.

Named varieties, separate colors in Cardinal red, purple, yellow and white. These are an extra good quality of the straight colors for one who likes a bed of one shade. Pkt., 10c.

**PENTSTEMON.** A similar to the Fox Glove, but in a greater variety of colors. It is a hardy perennial and blooms the first year from seed. Easily grown, decidedly beautiful, and very satisfactory. Mixed pkt., 10c.



DWARF NASTURTIUM.



ORCHID FLOWERING.

If you intend to make an exhibit at your Fair, go through the specials. They produce wonderful results



Superb Mixture. Very rare colors and exceedingly choice. Pkt., 25c.

**PETUNIAS.** They grow with very little care in any soil and bloom all spring and summer. The seed should be sowed carefully and just pressed into the ground, and covered with moss or sand.

Single. Deep throated, brilliantly blotched. Pkt., 25c.

Double. White blotched, brilliantly colored. Pkt., 25c.

Fine Mixed. Good mixture of small varieties. Pkt., 5c.

**PASSION FLOWER.** A half hardy perennial climber. A very satisfactory climber for immense growth. Will cover a porch in one season. Large flowering. Mixture, pkt., 10c.

**PERILLA.** A plant grown for the foliage, similar to Coleus, but easier grown. A half hardy annual. Pkt., 5c.



**PHLOX (Drummondii).** A hardy annual growing from six inches to one foot high, and bearing rich and beautiful colored flowers. It is of very easy culture and a great favorite. Pure white, brilliant rose, brilliant scarlet, and mixed. Pkt., 10c.

**STAR PHLOX (Cuspidata).** Flowers have a distinctive star-like appearance, with colored eye. Pure white, pink, and mixed. Pkt., 10c.

**PHLOX DECUSSATA.** Hardy perennial; mixed. Pkt., 10c.

**PINKS or DIANTHUS.** A hardy annual about one foot high, and bearing brilliantly colored single and double blossoms in profusion all summer. Sow early and transplant.

Chinese, or India Double White. Pkt., 5c.

Double mixed. Pkt., 5c.

Single mixed. Pkt., 5c.



## ORIENTAL POPPY

**POPPY.** A well-known hardy annual which bears single and double flowers in brilliant colors. Sow seed in open ground where plants are to remain, and then thin out. If left thick the plants are liable to be weak and blossoms inferior.

Single Varieties. Danneborg or Danish Flag Popp. Brilliant scarlet with white center. Pkt., 5c.

**TULIP FLOWERED.** Intense scarlet. Pkt., 5c.

**SHIRLEY.** The most beautiful type of poppies, flowering in white, pink, lavender, purple, red and scarlet. Free bloomers, and fine for bedding. Mixed, pkt., 5c.

**BLACK PRINCE.** A beautiful single Poppy of brilliant blackish brown color with a violet hue, contrasting wonderfully with the whitish stamens. Pkt., 10c.

**CALIFORNIA, or ESCHSCHOLTZIA.** Pkt., 5c.

**ALPNUM.** One of the finest single poppies we have, colors very brilliant, in several shades. Pkt., 15c.

**DOUBLE CARNATION.** Mixed colors. Pkt., 5c.

Single Varieties, Perennial. This variety will bloom from seed the first year, in bright and glowing colors.

**ICELAND MIXED.** A dwarf growing variety with white, orange and yellow single blossoms. Pkt., 10c.

**QUEEN ALEXANDRIA.** An Oriental variety, large brilliant crimson flowers, with a black blotch on each petal. Very showy and attractive. Pkt., 25c.

**ROYAL SCARLET.** One of the rarest and most exquisite flowers we have. The flowers are immense in size. Pkt., 25c.

**PORTULACA.** Low growing or creeping tender annual, bearing glossy cup-like blossoms, in brilliant gorgeous colors. The seeds germinate slowly, and should be started under glass and set out. Does best in sunny, dry places. Golden yellow, pink, scarlet and mixed. Pkt., 5c; double mixed, pkt., 5c.

**PRIMROSE, or PRIMULA.** Greenhouse or pot plants. Bears trusses of large single or double blossoms of bright colors. Sow in April and May for winter blooming. The seed we offer is the finest to be had.

Special mixture of white, bright blue, rose and scarlet. Pkt., 25c.

Auricula, a half hardy, variously colored, mostly yellow, variety. Pkt., 15c.

Sinensis, double, finest mixed. Pkt., 50c.

Obconica Grandiflora. A lovely free blooming white, tinged with lilac primrose, stems nine inches. Pkt., 25c.

**PYRETHRUM.** A hardy perennial with bright foliage. Used for edging and borders. Seed can be sown in spring and transplanted. Mixed. Pkt., 5c. Grandiflora type. A larger type of flowers, some of which measure four inches across, and vary from light pink to deep carmine with deep centers. Mixed. Pkt., 10c.

**RANUNCULUS.** Very handsome double flowers, ten inches high. Flowers about two inches across. Flowers the first year from seed. Rose, scarlet, blue and mixed. Pkt., 10c.

**RUDBECKIA (Cone Flower).** A free flowering annual that is a very effective cut flower. Easily grown. Mixed colors. Pkt., 5c.

**RICINUS.** See Castor Oil Bean.

**SALPIGLOSIS.** A half hardy annual, growing about three feet high and bearing trumpet shaped flowers of rich shades and colors, all beautifully veined, finest mixed. Pkt., 5c.

**SALVIA, or FLOWERING SAGE.** A tender perennial, blooming the first year from seed. The blossoms are borne on long stems and are very fragrant. Blooms last all summer.

Patens, bright blue flower, two feet tall. Pkt., 25c.

Splendens, bright scarlet flower. Pkt., 10c.

**SCABIOSA, or MORNING BRIDE.** An annual that is worthy of a place in every garden. The tall flowers are especially adapted for cut-

ting and missing in the garden. These new flowers are double clear to the center. Of very easy culture. Rose, white, scarlet and purple. Pkt., 10c. Mixed, pkt., 5c.

**SCARLET RUNNER.** A flowering bean that can be used for food; will grow 30 feet in a season. Pkt., 5c.

## SCHIZANTHUS

**SCHIZANTHUS.** Hardy annuals, growing one and one-half to two feet high, bearing bright, showy butterfly-like blossoms. Large flowering. Mixed, pkt., 10c.

**SEDUM.** A little annual bedding plant, good for carpet work. Blue flowers. Pkt., 10c.

**SMILAX.** A climbing perennial, with beautiful bright-green glossy leaves. Largely used for decorating. Start seeds under glass and transplant. Pkt., 5c.

**STATICE SINUATA (Sea Lavender).** A blue everlasting flower used by florists for winter bouquets. An annual that blooms late. Pkt., 5c.

**SNAPDRAGON (Antirrhinum).** A half hardy perennial, growing from one and one-half to two feet. Flowers are oddly shaped. They are borne on long spikes; fine for cutting and keeping fresh a long time. Very easily raised. Tall flowering type in scarlet, white, pink, yellow and mixed. Pkt., 10c.

Tom Thumb, or dwarf mixture. Pkt., 10c.

**STEVIA.** A tender perennial bearing clusters of small white fragrant blossoms. Pkt., 10c.

**SUNFLOWER (Helianthus).** The newer types are beautiful. Chrysanthemum flowered, large, densely double, bright golden flowers. Plants dwarf and make fine showing. Pkt., 5c.

Russian, or Mammoth. Pkt., 5c.

Henderson's Red. See Special.

**SWEET SULTAN.** A Centaurea of well known merits that makes a fine bedding plant, and an excellent one for cutting. Blossoms in white, yellow, red, lavender, purple and mixed. Pkt., 5c.

**SWEET WILLIAM.** One of the finest old fashioned perennials. Makes a beautiful bedding plant, and is of very easy culture. Single and double varieties; mixed colors. Pkt., 5c.

**SAPONARIA (Bouncing Bet).** A perennial, especially good for rock work. Pkt., 5c.

## STOCK

**STOCK.** These popular flowers are easily grown, and are so highly fragrant and of such beauty and they deserve a place in every garden. They are great improvements over the Gilliflowers of the olden time, being much larger and more densely double, and of a greater variety of colors.

**DOUBLE TEN WEEKS STOCK**

**AABLING'S DWARF GIANT FLOWERING TEN WEEKS.** Selected seed, in crimson, lavender, white, yellow, pink, carmine, purple, red and mixed. Pkt., 10c.

**GIANT PERFECTION.** Handsome tall variety. Mixed colors. Pkt., 10c.

**CUT AND COME AGAIN, OR DRESDEN'S PERPETUAL.** A large early flowering stock, which blooms perpetually and also makes a fine cut flower. Pkt., 10c.

**WINTER, or BROMPTON'S.** Perennial; late flowering. Pkt., 10c.

**THUNBERGIA, or BROWN-EYED SUSAN.** A hardy annual that does fine in sunny spots and fences. Pkt., 5c.

**TRITOMA (Red Hot Poker).** A very attractive perennial that makes a fine showing in a garden. The spike grows four feet tall, and often contains over a hundred bright orange, scarlet and yellow flowers. Pkt., 15c.

**VALERIA.** Flowers like Centranthus. Does well in half shade. A hardy perennial. Pkt., 5c.

**VERBENA.** A half hardy trailing perennial of easy culture that blooms the first year from seed. Use care in starting them, as the seeds are slow to germinate, and soaking them in warm water hastens germination. Is a well known bedding and border plant. Pink, white, purple, blue, scarlet and mixed. Pkt., 10c.

**VIOLET.** Single California variety; grow readily from seed, and produce a very fragrant blossom. Large flowering, blue. Pkt., 10c.

Double Sweet Scented, very large, blue. Pkt., 10c.

**WALL FLOWER.** Half hardy perennial, blooming the first year from seed. An old fashioned flower that is always a favorite. We have some extra select seeds of newer types and varieties that are wonderful.

Tall Double Golden Yellow and Brown. Pkt., 10c.

Tall Double Mixed. Pkt., 5c.

Winter Flowering, the newest variety. Mixed. Pkt., 25c.

**WILD FLOWER GARDEN, or Mixture of All Kinds of Flower Seeds.**

The seeds we offer for the "Wild Flower Garden" are a mixture of over one hundred and fifty different varieties, and being mixed can be offered at a much less price than when sold in separate packets. No one, not having such a bed, can form an idea of its beauty, the different seasons of bloom insuring something new almost every day. Large pkt., 10c.

**ZINNIA ELEGANS.** A half hardy annual of easiest cultivation and should be in every collection. Comes in all shades and colors. Sow in boxes early and transplant. Mixed. Pkt., 10c.

To obtain the best results use our Fertilizer



# Giant Waved Spencer

—OR—

## Orchid Flowering Sweet Peas



First and Second Prize awarded at Pacific Northwest Rose Society and Green Lake Rose Show

Exhibit Pacific Northwest Rose Society Awarded First Prize.

Every motorist who traveled between here and Tacoma on the brick boulevard during the past summer couldn't help seeing and admiring the immense field of Sweet Peas being grown for seed by the Aabling Seeds Farms. They were not only for ourselves but for some of the largest seed houses in America, and we now have under contract 100 acres for the next crop, a large quantity of which will be sent to Europe.

Plant Washington grown seed. They are the best.

We all make mistakes, and we want to rectify ours. Tell us

# GIANT WAVED SPENCERS

## COLOR CLASSES.

To select desired colors, refer to the numbers and choose between the corresponding numbers preceding the varieties; should the name of some old favorite be missing, by referring to its color class a similar and better variety may be selected.

Blue Light -----	15-23-41	Fancy Maroon on White-----	37	Pink Rose Blush Wings-----	3-7-27
Blue Dark -----	8	" Blue on White-----	22	" Cerise -----	13
Crimson -----	20-26-40	Lavender -----	4-17-25	" Salmon or Shrimp-----	6-38
Fancy -----	1	" Piskish -----	28	Purple -----	35
Fancy, Pink on Buff Picotte.31		Maroon -----	19-32	Primrose or Ivy -----	9-33-34
" Rose or White Picotte.31		Orange -----	18-39	Red -----	20-26-40
" Rose or White Picotte.11		Pink -----	10-12-14	Scarlet -----	36
" White or Pink Picotte.42		" Pale Cream -----	29-30	White -----	27-43
" Red or White Striped. 2		" Deep Cream -----	24	Yellow Primrose -----	9-33-34
" Orange or White-----	5	" Blush -----	16		

No.	Price, delivered free in the U. S.	Pkt. Oz.	No.	Price, delivered free in the U. S.	Pkt. Oz.
1. <b>Afterglow.</b> Banner, rosy-amethyst tinted ultramarine-violet at base; wings, peacock and electric blues. One of the aesthetic new pastel colorings; most effective in cloudy weather or if shaded from hot sun-----	15	50	22. <b>Loyalty.</b> The finest and largest blue, striped; color white flaked and marbled bright blue-----	10	30
2. <b>America Spencer.</b> Striped and flaked brilliant carmine-red over white; very large flower of splendid form-----	10	30	23. <b>Margaret Madison.</b> Large clear pale azure-blue-----		
3. <b>Apple Blossom Spencer.</b> Banner bright rose color; wings creamy-blush; a very robust, profuse and large flowering "Bl-color"-----	10	30	24. <b>Margaret Ailee.</b> Perhaps the finest of the new Spencers; immense flowers of the loveliest coloring; a rich warm salmon-pink over a body color of cream which lights up the whole flower into exquisite beauty-----	15	40
4. <b>Asta Ohn.</b> One of the best lavender Spencers; an exquisite rosy-lavender; flowers large and well waved-----	10	30	25. <b>Masterpiece.</b> Large wavy lavender tinted mauve-----	10	30
5. <b>Aurora Spencer.</b> Strongly flaked and striped bright orange-rose on white; very large flowers of perfect form and well waved-----	10	30	26. <b>Maud Holmes.</b> An unsurpassed "Sun-proof" crimson-----	10	30
6. <b>Barbara.</b> A light salmon or shrimp-pink self; large flowers improved by shading; strong grower and very floriferous-----	15	35	27. <b>Mrs. Cuthbertson.</b> Carmine-rose banner and blush-white wings-----	10	30
7. <b>Blanche Ferry Spencer.</b> Banner deep-rose-pink; wings white tinted with blush; a large "Spencer" form of the popular old "pink and white"-----	10	30	28. <b>Mrs. Beiberstedt.</b> Pinkish lavender with deep lavender wings-----	10	30
8. <b>Captain of the Blues Spencer.</b> Banner maroon-purple; wings magenta-purple; very large flowers-----	10	30	29. <b>Mrs. Hugh Dickson.</b> A large and fine "cream-pink"-----	15	30
9. <b>Clara Curtis.</b> The best of the primrose-yellows-----	10	30	30. <b>Mrs. Rontzahn.</b> A favorite "cream-pink"; a blending of straw color tinted blush-pink and rosy-apricot-----	10	30
10. <b>Countess Spencer.</b> A re-selected, improved strain of this grand original "pink Spencer"-----	10	30	31. <b>Nell Gwynn.</b> Salmon pink shaded into buff; wings striped-----	10	30
11. <b>Dainty Spencer.</b> Very large, splendidly formed flowers of blush-white; distinctly picotte edged with carmine-rose-----	10	30	32. <b>Othello.</b> A rich deep maroon; immense flowers of the finest waved Spencer form-----	10	30
12. <b>Enchantress.</b> True pink, one of the older types still very popular-----	10	30	33. <b>Paradise Ivory.</b> Old Ivory tinted cream color, faintly suffused with rosy-buff-----	10	30
13. <b>Edith Taylor.</b> Extra fine and large flowers of rich salmon-rose or cerise; a very lively warm color; strong grower and free bloomer-----	10	30	34. <b>Primrose Spencer.</b> A waved clear primrose pea producing exceedingly large flowers-----	10	30
14. <b>Elfrida Pearson.</b> Magnificent flower of blush pink, deepening towards the edges-----	15	40	35. <b>Royal Purple.</b> The name describes its color, a rich royal-purple which coloring is carried throughout both banner and wings; the flowers are of splendid size and form on long stems; vines vigorous and free-----	25	50
15. <b>Flora Norton Spencer.</b> Beautiful azure or pale blue flowers of medium size but profusely produced-----	10	30	36. <b>Sun Proof Scarlet.</b> Just as the name implies; very brilliant-----	10	30
16. <b>Florence Morse Spencer.</b> Very large wavy flowers of soft blush-pink flushed towards edge with deeper pink-----	10	30	37. <b>Senator Spencer.</b> A large and fine striped seal-brown and claret colored flakes on white-----	10	30
17. <b>Florence Nightingale.</b> Large lavender with pinkish sheen-----	10	30	38. <b>Sterling Stent.</b> A glorious salmon and orange variety; rich deep salmon suffused with fiery orange; needs shading-----	10	30
18. <b>Helen Lewis.</b> A very large and fine orange-rose; wings orange-salmon-----	10	30	39. <b>Thomas Stevenson.</b> Fiery red-orange-----	10	30
19. <b>Hannah Dale.</b> A deep maroon nearly black. A great one to plant for contrast-----	10	30	40. <b>Vermillion Brilliant.</b> The most brilliant non-fading scarlet Spencer yet produced-----	10	30
20. <b>King Edward Spencer.</b> A re-selected improved strain and the best of all the crimsons here noted; color rich crimson-scarlet; large open form; waved flowers of the largest size-----	10	30	41. <b>Wedgewood Blue.</b> A clear light silvery-blue with just a suggestion of mauve in the banner; an improved large flowering strain and the best variety of its color-----	15	40
21. <b>King White.</b> Hailed as the King of Whites, because of the perfect finish of the flower in every detail—form, size, waviness and glistening, immaculate whiteness-----	15	35	42. <b>Winnifred Deal.</b> White with picotte pink wings. A new variety-----	25	40
			43. <b>White Spencer.</b> Pure white, the standard variety-----	10	30

## MIXED GIANT SPENCER SWEET PEAS

Composed exclusively of Giant Waved Spencer varieties, blended in proper proportions of bright colors and including several new hybrids of exquisite colors and shades, many of which, when sufficiently true up, will be introduced as new-named varieties 10c 25c  
75c per 1/4 lb.; \$2.50 per lb. Delivered free in the U. S.

If your ground is poor, use fertilizer



MARGARET ATLEE

# Giant Waved Spencer Pea

The past season has not brought forth any new Spencer Pea which equals the

# Margaret Atlee

The largest and best Sweet Pea yet introduced. A deep cream pink, which produces extra heavy stems and it is not uncommon to see the stems 22 inches long. Pkg. 15c, oz. 40c.



## GIANT WAVED SPENCER

We offer below a collection of 8 different colored Sweet Peas. They are the choicest of recent introductions. Both in colors and size, they represent the latest triumphs of the plant breeder's skill. In these will be found the richest shades of Apricot, Pink to Silvery Blue, Ivory White to Royal Purple.

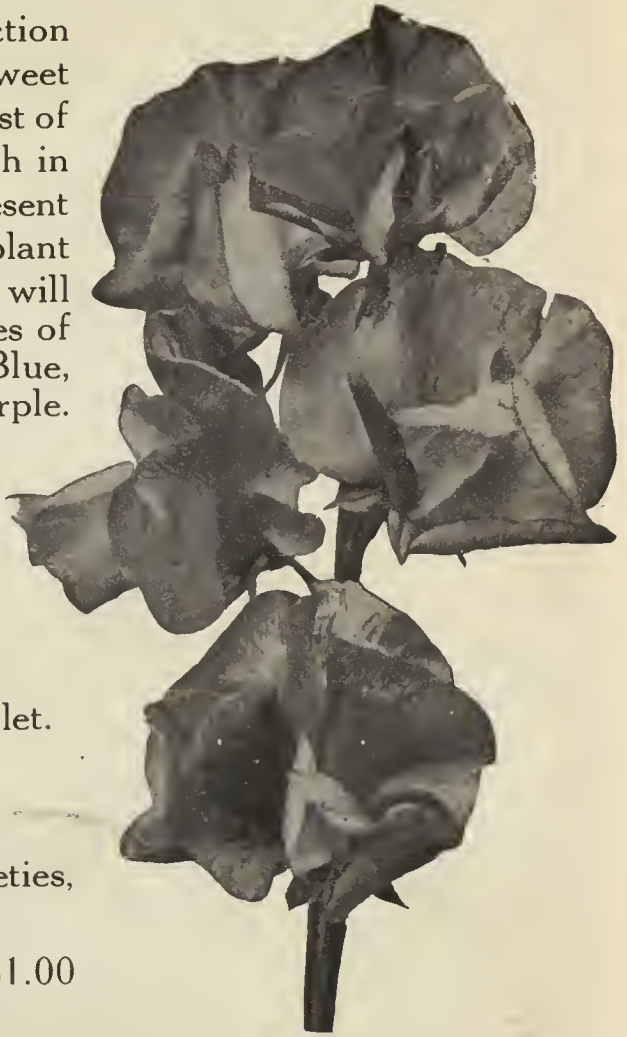
Hugh Dickson, Pink.  
King White, Pure White.  
Margaret Atlee, Pink.  
Royal Purple, Purple.  
Helen Lewis, Cerise.  
Vermillion Brilliant, Scarlet.  
Winefred Deal.  
Wedgewood, Blue.

The above eight varieties,  
regular price, \$1.50.

For the collection----- \$1.00

For the following collection of 5 varieties, Afterglow, Elfrida Pearson Pink, Barbara, Vermillion Brilliant Scarlet, White Spencer. All Giant Waved Spencers, regular price, 75c; as a collection, 50c.

Every lover of Sweet Peas should plant one of these collections.



### A Collection of Grandiflora and Unwin Sweet Peas

The overshadowing size and beauty of the Giant Waved Spencer Sweet Peas has gradually reduced the demand for most varieties of the Grandiflora and Unwin types so that we now offer only a list of these limited to the popular cheap sorts for sowing in quantity for cut flowers, though they are also very effective for garden decoration and may be grown with less care than the Spencers need to produce their best results. A packet of Grandiflora Sweet Peas is sufficient for 10 to 15 feet of single row; an ounce for 30 to 40 feet, and a pound for 500 to 600 feet of row. Pkt., 5c; 3 for 15c.

**WHITE.** White Wonder, Nora Unwin, Blanch Ferry.

**PINK.** Lovely, Primrose Unwin.

**LAVENDER.** Lady Griseld Hamilton, Frank Dolby.

**BLUE.** Navy Blue.

**RED.** King Edward, Black Knight, E. J. Castle.

Our seeds are the highest grade. Our prices are always in keeping with the quality



KING WHITE SWEET PEAS—For Description see Page 52

# Bulbs and Roots for Spring Planting



## LILIUM AURATUM

Known as the Japan Golden Banded Lily. Its flowers are of immense size and are studded with rich chocolate crimson spots on ivory white ground with pale but distinct golden yellow ray bands. With ordinary cultivation they will produce from five to ten magnificent flowers and if cultivated carefully and planted in selected spots oftentimes produce from ten to fifteen flowers. Each, 15c; doz., \$1.50.

## LILIUM AURATUM MAIRANTHRIM

An improved type of the Auratum, but petals much larger and broader, which with the broad bands of golden yellow make a fine showing. Flowers often measure ten to twelve inches across. Each, 25c; doz., \$2.50.

## LILIUM AURATUM PICTUM

Similar in form to the Auratum but tipped with crimson at the ends of the golden yellow rays. See Browni. Each, 25c; doz., \$2.50.

## LILIUM SPECIOSUM MAGNIFICUM

An improvement on the Rumrum. The flowers are of a larger type, rich deep red, on stem very vigorous and erect. Each, 25c; doz., \$2.50.

## LILIUM AURATUM BROWNI

Light cream within with beautiful purplish color outside, trumpet form, very showy and fragrant. Each, 50c; doz., \$5.00.

## LILY OF THE VALLEY

**FANCY BERLIN PIPE.** One of the most satisfactory and charming spring flowering plants, producing in profusion its delicate, bell-shaped, white flowers. Thrive in any common soil, are perfectly hardy and will succeed in shady situation. They can be left undisturbed in the open ground, where they will increase from year to year. November to March.

Selected Pips, for forcing indoors or planting outside. Each, 5c; doz., 35c; 100, \$2.50.

## BELLADONNA MAJOR

Amaryllis.

**BELLADONNA MAJOR.** (Belladonna Lily.) Autumn blooming variety of extreme beauty and fragrance; the spikes grow from two to three feet high, each carrying from six to twelve beautiful flowers, "sweet as lilies," of silvery white, flushed and tipped with rose. Choice bulbs, each, 20c; 3 for 50c.

**FORMOSISSUMA.** One of the most popular of the Amaryllis family flowers, are of beautiful dark scarlet, strangely marked. Plant outdoors after danger of frost is over. Will bloom during summer. Large bulbs, each, 15c; 2 for 25c.

# DAHLIAS

On the following two pages we are listing the collection of Dahlias grown by the Buttle Dahlia Co. They are the finest collection ever shown. These varieties were all shown in our exhibit at the Bon Marche, and if you took a list from that showing you can make your selection from this list.

Plant a few Lilies. Nothing finer.



# DAHLIAS

## ROW W.

1	Conquest, Cactus, Large Crimson-----	.75
2	Mrs. Douglas Fleming, Cactus, White-----	.75
4	Phoenix, Cactus, Large Crimson, Stripe--	.50
5	Troyan, Cactus, Large, Yellow-----	.50
6	Tokio, Cactus, Pink, Yellow Center-----	.75
7	Pierriot, Cactus, Amber, White Tip-----	2.50
8	Ethard de Lyon, Cactus, Royal Purple--	1.00
9	Candeur, Cactus, Medium, Pure White-----	.75
11	Mrs. Fernand Jeffries, Cactus, Crimson--	.50
12	Dr. Roy Appleton, Cactus, Large Yellow--	.75
13	Rev. T. W. Jamison, Cactus, Pink., Yel.	.50
14	Jupiter, Cactus, Var. Red, Pink, Yellow	.50
15	Fernand Cayeux, Cactus, Dark Maroon--	.75
16	Seagull, Cactus, Large White, Cerise-----	2.50
17	John Riding, Cactus, Large Or. Scarlet--	1.00
18	H. H. Thomas, Cactus, Large Red-----	.60
19	Gold Queen, Cactus, Large Yellow-----	.50
20	Miss Stredwick, Cactus, Large Pink-----	1.00
21	Diavola, Cactus, Large Variegated-----	.50
22	F. W. Fellows, Cactus, Large Orange-----	1.50
23	Mrs. C. G. Wyatt, Cactus, Pure White-----	.75
24	Fascination, Cactus, Deep Pink-----	2.50
25	John Peel, Cactus, Large Scarlet-----	.50
26	Glory of Wilts, Cactus, Large Yellow-----	.50
27	Crystal, Cactus, Delicate Pink-----	.75
28	Rheinisher Frohsinn, Cactus Red, White	.75
29	Southern Belle, Cactus, Large Maroon--	.75
30	Express, Cactus, Medium Lavender-----	2.00
31	Hon. Mrs. Greville, Cactus, Apricot-----	2.00
32	Red Coat, Cactus, Firey Scarlet-----	2.00
33	New Sarum, Cactus, Large Orange-----	.50
34	Gwendolin Tucker, Cactus, Del. Pink-----	.75
35	Unique, Cactus, Med. Red and White-----	2.50
36	Marathon, Cactus, Med. Purple-----	.50

## ROW U.

1	New York, Cactus, Orange with Pink-----	.75
2	Dorothy Hawes, Cactus, Large Cerise-----	2.50
3	Golden Wave, Cactus, Large Yellow-----	.50
4	Sweet Briar, Cactus, Med. Pink-----	.50
5	Perriot, Cactus, Amber, White Tip-----	2.50
6	Homer, Cactus, Large Maroon-----	2.50
7	Candeur, Cactus, Med. Pure White-----	.75
8	Victory, Cactus, Med. Coral-----	.75
9	Prince Arthur, Cactus, Med. Red-----	.75
10	Richard Box, Cactus, Lemon Yellow-----	.50
11	Mrs. Wm. Marshall, Cactus, Magenta-----	.50
12	Mad. Shoulet, Cactus, Var. Red & Yel.--	.50
13	Lady Fair, Cactus, Med. Flesh Pink-----	.50

## ROW E.

1	The Imp, Cactus, Med. Maroon-----	.50
2	Snowstorm, Cactus, Large Pure White-----	.50
3	Janet, Cactus, Large Autumn-----	.50
4	Olympic, Cactus, Gold and Scarlet-----	1.00
5	Ivornia, Cactus, Med. Autumn-----	.75
6	Empress, Cactus, Large Magenta-----	.75
7	Mrs. H. J. Jones, Cactus, Var. Red, White	.50
8	Le Brum, Cactus, Large Royal Purple-----	1.50
9	Snowden, Cactus, Large Pure White-----	.75
10	Wm. Marshall, Cactus, Large Autumn-----	.50
11	Brigadier, Cactus, Large Red-----	1.00
12	Ruby Grinstead, Cactus, Shrimp Pink-----	.35
13	Irresistable, Cactus, Large Pink-----	.75
14	Comet, Cactus, Medium, Variegated-----	.35
15	J. H. Jackson, Cactus, Med. Maroon-----	.20
16	Minnie West, Cactus, Med. White-----	.50

## ROW P.

1	Phoenix, Cactus, Crimson Maroon-----	.50
3	Gwendolin Tucker, Cactus, Del. Pink-----	.75
4	Richard Box, Cactus, Large Yellow-----	.50
5	Olympic, Cactus, Large Gold and Scarlet	1.00
6	Mrs. Douglas Fleming, Cactus, White-----	.75
11	Pres't D'Applaincourt, Cactus, Pink-----	.75
8	Lord Minto, Cactus, Med. Apricot-----	.75
9	Willmores Pride, Cactus, Purple-----	.20
10	Snowden, Cactus, Large Pure White-----	.75
11	Pres't A'Applaincourt, Cactus, Pink-----	.75
12	Ainthe, Cactus, Large Autumn-----	.35
13	Brigadier, Cactus, Large Red-----	1.00
14	Crystal, Cactus, Medium, Del. Pink-----	.75
15	Quaker, Cactus, Large Flesh Pink-----	2.00
16	T. G. Baker, Cactus, Large Yellow-----	.35
17	Mrs. Seale, Cactus, Var. Maroon and Wh.	.50
18	Clincher, Cactus, Medium, Lilac-----	.35
19	Mad. Henri Cayeux, Cactus, Pink-----	.25
20	Aschenbrodel, Cactus, Yellow and Pink--	1.00
21	Hamlet, Cactus, Large Red-----	.35
22	Zeppelin III, Cactus, White & Lavender	1.00
23	Ville de Lyon, Cactus, Pink with White--	.75
24	Hetty Dean, Cactus, Med. Light Apricot--	.25
25	Firefly, Cactus, Med. Firey Red-----	.25
26	Czarina, Cactus, White with Yellow-----	.35
27	Reine Amelia, Cactus, Pink with White--	.50
28	Vesuvius, Cactus, Med. Yellow and Red--	.50
29	Flora Dora, Cactus, Crimson-----	.20
30	Bergmans Silver, Cactus, Med. White-----	.50
31	Marguerite Bouchon, Cactus, Pink & Wh.	.75
32	Countess of Lonsdale, Cactus, Apricot-----	.20
33	Empress, Cactus, Large Magenta-----	.75
34	Wolfgang Von Goethe, Cactus, Orange-----	.35
35	Eugenie Bonvallet, Cactus, Deep Pink-----	.50
36	Johannesburg, Cactus, Large Autumn-----	.75
37	J. H. Jackson, Cactus, Med. Maroon-----	.20
38	J. B. Riding, Cactus, Copper Yellow-----	.50
39	Miss Stredwick, Cactus, Large, Pink-----	1.00
40	Florida Orange, Cactus, Orange-----	.20
41	Elsie, Cactus, Lemon with Cerise-----	.50
42	Anrora, Cactus, Coppery Pink-----	.50
43	F. Graham, Cactus, Large Salmon Pink--	1.00

## ROW I.

1	Holman Hunt, Peony, Deep Maroon-----	1.50
2	Seagull Pae, Peony, White and Hello-----	2.00
3	Aquilon, Peony, Med. Crimson-----	2.00
5	Osceola, Peony, Large, Canary Yellow--	3.00
6	Mrs. Helen Ladd Corbett, Peony, Pink--	2.00
7	Massasoit, Peony, Var. Maroon and Pink--	2.00
8	Squanto, Peony, Large Violet-----	2.00
9	H. J. Lovink, Peony, Heliotrope-----	2.00
10	Tahoma, Peony, Medium, Apricot-----	1.00
11	Tilikum, Peony, Large, Med. Red-----	1.00
13	Tullalips, Peony, Large Deep Pink-----	1.00
14	Chief Tiger Tail, Cosmea, Ind. Var-----	1.00
15	Antoine Revorire, Peony, Deep Maroon--	.50
16	Snohomish, Peony, Med. Pure White-----	1.00
17	Princess Deaux, Peony, Apricot-----	1.00
18	Duke Henri, Peony, Med. Red-----	.50
19	Village Belle, Peony, Var. Red and Yel.--	.50
20	Enumclaw, Peony, Deep Pink-----	1.00
21	Franz Liszt, Peony, Variegated-----	.35
22	Porcupine, Peony, Med. Variegated-----	.50
23	Issaquah, Peony, Large, Lavender-----	1.00
24	Elys Chief Seattle, Large Pink-----	1.00

We like to hear the results you obtain from our seeds. Write us

# DAHLIAS

## ROW 2.

1	Battle's Liberty, Peony, Shrimp Pink----	2.00
3	Hompton Court, Peony, Large Pink----	1.00
4	Minnewawa, Peony, Large Variegated----	2.00
5	Black Hawk, Peony, Large Dark Maroon	2.00
6	White Flag, Peony, Best Pure White----	2.50
7	Hi Gill, Peony, Large Orange-----	1.00
9	Samoset, Peony, Large, Copper Yellow----	2.00
10	Van Dyke, Peony, Lavender, Pink-----	1.00
11	Avalanch, Peony, Large, Pure White----	2.50
12	Doctor Peary, Peony, Dark Maroon-----	.75
14	Klondyke, Peony, Large, Orange-----	1.00
15	Canonicus, Peony, Large Heliotrope-----	2.00
16	Dr. H. H. Rusby, Peony, Yellow-----	.50
17	Whidby, Peony, Med. Pink-----	.50
18	Pembroke, Peony, Med. Variegated-----	.50
19	Garnet Queen, Peony, Small, Garnet-----	.50
20	Giant Edelweis, Peony, Pure White-----	.50
21	Klickitat, Peony, Large, Pink, Yellow----	1.00
22	Great Britain, Peony, Var. Lavender-----	3.00
23	Kittitas, Peony, Med. Yellow-----	1.00
24	Andrew Carnegie, Peony, Med. Pink-----	.50
25	Picador, Peony, Med. Variegated-----	.75

## ROW 3.

1	Glory of Nykirk, Peony, Purple-----	.75
2	Battle's Marmouth, Peony, Variegated----	2.00
3	Autumn Gold, Peony, Copper Yellow-----	1.00
4	Ninagret, Peony, Golden Red-----	2.00
5	Mondscheibe, Peony, Med. Yellow-----	1.00
6	America, Peony, Large, Med. Pink-----	1.00
7	Porcupine, Peony, Med. Variegated-----	.50
8	Hortulanus Budde, Peony, Med. Red-----	.75
9	Uncas, Peony, Large Pure White-----	2.00
11	Queen Esther, Peony, Large, Red-----	3.00
12	Bertha Von Snttan, Peony, Apricot-----	.50
13	Betty, Peony, Large, Lavender-----	1.00
14	Nokomis, Peony, Med. Indian Var-----	2.00
15	Minnehaha, Peony, Large, Light Red-----	2.00
16	Tenino, Peony, Med. Pink-----	1.00
17	Richard M. Buttle, Peony, Orange, Red----	2.00
18	Oregon Beauty, Peony, Med. Red-----	.50
19	Elys Tango, Peony, Large Tango Orange	1.00
20	Queen Emma, Peony, Med. Deep Pink-----	.50
21	Chehalis, Peony, Med. Red-----	1.00
22	Narragansett, Peony, Dark Scarlet-----	2.00
23	Wingrens Chief Seattle, Peony, Pink-----	1.00
24	Friscilla, Peony, Med. Orange-----	.50

## ROW 4.

1	Pretty Little Red Wing, Peony, Var-----	1.00
2	Red Cloud, Peony, Large, Dark Red-----	2.00
3	Geisha, Peony, Large Crimson and Yel--	.50
4	Chatnay, Peony, Large, Chatnay Pink-----	3.00
5	LaConner, Peony, Med. Salmon Pink-----	.75
6	Pocahontas, Peony, Large, Lemon & Pink	2.00
7	Powhattan, Peony, Large, Strawberry-----	2.00
8	Norah Lindsey, Peony, Large Pink-----	1.00
9	Lady Seville, Peony, Red with Buff-----	1.00
10	Wadawanuck, Large Light Coral-----	2.00
11	Princess Angeline Pae, Med. Var-----	1.00
12	Gill's Poinsetta, Poinsetta, Red-----	.50
13	Cannonchet, Peony, Gray, Salmon Pink----	2.00
14	P. W. Jansen, Peony, Med. Sal. Pink-----	.50
15	Miantinomah, Peony, Amber Sal. Pink-----	3.00
16	Chief Leschi, Peony, Med. Variegated-----	1.00
18	Sparkler, Peony, Med. Firey Red-----	.50
19	Purple Manitou, Dec. Royal Purple-----	.50
20	Snow Queen, Dec. Med. Pure White-----	.50
21	Yellow Colosse, Dec. Large Yellow-----	.50
22	Princess Angeline, Dec. Red with Silver	.75
23	Master Paul, Dec. Large Lavender-----	1.00
24	Mad. Vanden Dale, Dec. Med. Pink-----	.50
25	Jeanne Charmet, Dec. Med. Lavender-----	.35

## ROW 5.

1	D. M. Moore, Dec. Velvety Maroon-----	1.50
2	Mad. Divinat, Show, Med. Lavender-----	.75
3	Hortulanus Feit, Dec. Salmon Pink-----	.75
4	Minnie Bugle, Dec. Large Crimson-----	1.00
5	The Mahdi, Dec. Medium Variegated-----	1.00
6	Mrs. Jennie Walker, Dec. Deep Pink-----	1.00
7	Immense, Dec. Large, Cerise and White----	1.00
8	Royalty, Dec. Large Royal Purple-----	1.00
9	Mount Hood, Dec. Med. Pure White-----	1.00
10	Mrs. Mary Bowman, Show, Deep Yellow----	1.00
11	Athalia, Dec. Med. Maroon-----	.50
12	Brentwoods, Dec. Large Yellow-----	1.00
13	Futurity, Dec. Large Copper Pink-----	2.50
14	Master Paul, Dec. Large Lavender-----	1.00
15	Juno, Dec. Med. Maroon-----	.50
16	Pearle de Lyon, Dec. Pure White-----	.50
17	Paul Bonnyon, Dec. Copper Pink-----	1.00
18	Papa Charmet, Dec. Large Deep Red-----	.50
20	Lucy Fevrier, Dec. Large Deep Pink-----	1.00
22	Golden Wedding, Dec. Med. Yellow-----	.20
23	White Donzon, Dec. Med. White-----	.50
24	Orange Douzon, Dec. Large Orange-----	.50

## ROW 6.

1	Belloit, Dec. Large Purple-----	.50
2	Hortulanus Witte, Dec. Large White-----	.75
3	Delice, Decorative, Flesh Pink-----	.50
4	Nehalem, Decorative, Deep Red-----	.50
5	Dorothy, Cactus, Med. Pink-----	.75
6	Model, Cactus, Med. Yellow, Pink Tip----	.50
7	Nerthus, Cactus, Med. Pink with Yellow	.50
8	Lavender Queen, Cactus, Med. Lavender----	.50
9	Wolfgang Von Gouethe, Cactus, Orange----	.35
10	Geo. L. Stillman, Cactus, Deep Red-----	3.00
11	Crepuscul, Cactus, Large Yellow-----	.75
12	Rosalind, Cactus, Medium, Med. Pink-----	.75
13	Victorian, Cactus, Var. Pink, Red, White	.50
15	Nibelungenhort, Cactus, Rose, Apricot----	1.50
16	Wodan, Cactus, Large Salmon Pink-----	.50
17	Bugeaud, Cactus, Med. Maroon, Purple----	.75
18	Gelber Prince, Cactus, Deep Yellow-----	.75
19	F. Graham, Cactus, Large Salmon Pink----	1.00
20	Electric, Cactus, Med. Var. White, Yel--	.50
21	Great Western, Cactus, Med. Purple-----	.75
22	Rhein Konig, Cactus, Med. White-----	.75
23	Vater Rhein, Cactus, Large Yellow-----	.50
24	Seagull, Cactus, Large, White, Cerise-----	2.50

## ROW R.

1	Betty, Collarette, Deep Pink-----	.15
2	Mad. L. Ferard, Coll. Variegated-----	.15
3	Darkest of All, Pompon, Dark Maroon-----	.20
4	Allwine, Pompon, White and Lilac-----	.15

## ROW S.

1	Sensation, Collerette-----	.20
2	Oweenee, Peony, Large Variegated-----	2.00
3	Hi Gill, Peony, Large Orange-----	1.00
4	Back Bay, Peony-----	2.00
5	John Green, Peony, Large Orange-----	2.50
6	Conquest, Cactus, Large Crimson-----	.75
7	Richard Box, Cactus, Large Yellow-----	.50
8	Dorothy Hawes, Cactus, Large Cerise-----	2.50
9	John Riding, Cactus, Orange, Scarlet-----	1.00
10	John Green, Peony, Large Orange-----	2.50
11	King of Hawaii, Cactus, Large Coral-----	1.00

If your ground is poor, use fertilizer



## GLADIOLUS



Francis King

The finest of summer blooming bulbs, of easy culture and does well on any soil. They should be planted in early spring and will flower until late fall. The colors are of the rarest shades. Bulbs should be taken up in the fall.

**PRINCEPS.** The coloring is a golden crimson-enlived below the throat by a large feathered blotch, sprinkled with scarlet. Flowers are 5 to 6 inches

broad; petals are very wide and found, forming almost circular flowers. Large bulbs, each, 10c; per doz., 75c.

### LILY LEHMAN

White, rose tinted. Each, 10c; doz., \$1.00.

### HALLEY

Orange pink, white throat. Each, 10c; doz., \$1.00; 100, \$6.00.

### AMERICA

Soft lavender pink. Each, 5c; doz., 50c; 100, \$4.00.

### BARON J. HULOT

Dark velvety purple. Each, 10c; doz., 75c.

### CHICAGO WHITE

Pure white, very early. Each, 10c; doz., \$1.0.

### NIAGARA

Deep yellow. Each, 15c; doz., \$1.50.



America

# Gladiolus

**PINK BEAUTY.** A brilliant dark pink with a distinct dark red blotch. Very fine and early. Each, 10c; per doz., \$1.00.

**MRS. FRANCES KING.** Brilliant vermilion scarlet. Flowers are four inches across with five or six in bloom at a time. Each, 10c; per doz., 75c.

**PANAMA.** A new seedling of the America. Deep pink. Spike very long with flowers large and well arranged. Each, 15c; per doz., \$1.50.

**BRENCHLEYENSIS.** Intense fiery scarlet. Each, 10c; doz., 75c; 100, \$4.00.

**RUFFLED GLORY.** New type of Gladiolus with ruffled petals. Delicate pink crimson stripe. Each, 15c; doz., \$1.50.

## SPECIAL OFFER

One each of Chicago White, Niagara, Panama, Ruffled Glory, for 40c.

One each of the 12 varieties listed for \$1.00.

## SUMMER BULBS BEGONIA

Unexcelled for summer bedding, such as lawns and borders. They are of easy culture and should be used more extensively, as there is nothing prettier. They thrive either in sunshine or partial shade.

**TUBEROUS ROOTED SINGLE.** In red, pink, white and yellow. Each, 10c; doz., \$1.00.

Double, mixed colors. Each, 10c; doz., \$1.00.

**CINNAMON VINE.** Well known hardy climber, quick grower with beautiful glossy heart-shaped leaves and heart-shaped flowers. Vines will run from 25 to 40 feet one season. Each, 5c; doz., 50c.

**MADERA VINE.** One of the best and most popular climbers, not for the flowers, which do not amount to much, but for the dense dark green foliage. They do well in most any location. Each, 5c; doz., 50c.

**MONTBRETIAS.** One of the brightest and best of summer flowering bulbs. Plant in clumps of six to eight bulbs, and they will produce beautiful star-shaped flowers in various shades. Doz., 25c; 100, \$1.50.

**TUBEROSES.** A summer bulb of very easy culture, which produces beautiful flower spikes on long stems, making it a fine cutflower. If started in pots and then transplanted to open ground can be had much earlier. Dwarf, large size bulbs. Each, 5c; doz., 50c.

**HARDY MOON FLOWER.** A rapid grower climber; very hardy and thrives on any kind of soil. Flowers are abundant. Pude white. Produces heavy foliage. Largest roots, each, 25c.

We make special prices to market gardeners on Peas in 100-lb. lots





## PEONIES

**T**HESE are absolutely hardy everywhere, have no insect enemies, and always live and increase in beauty. The finer and newer varieties of this old garden favorite will delight every one, as the perfection of flower and the variety of color have been carried to a very high degree. The flowers are well adapted for cutting, and for the ornamentation of the house, as they rival the rose in perfection of flower and brilliancy of coloring, possessing a striking individuality that is in accord with the present taste and style in floral decorations. Our collection embraces the choicest sorts in the most striking color—white, pink, crimson, etc., in various shades.

**STRONG PLANTS 3 TO 5-EYE 35c EACH**

### IRIS OR FLAGS.

**JAPAN** (Iris Kaempferi). A fine, hardy plant which does well in cool, moist places. This Iris would be used much more if its beauty were known. Blooms from the middle of June until August. The various shades of color are exquisite, in blue, lavender, white and cream. Each, 10c; doz., \$1.00.

**GERMAN** (Fleur de Lis). This variety is more commonly used and is very successful in moist or watery places. The varieties are blue, white, purple and violet. Each, 10c; doz., \$1.00.

**ITALIAN IRIS.** A most beautiful and the only fragrant variety of the Iris. It is cultivated for the bulbs, which, when dried and powdered, make the finest of face powders. Each, 15c; doz., \$1.50.

**SEBERICA.** (Yale Blue.) A slender, graceful, tall-growing Iris, with flowers quite similar to those of the German Iris, but smaller and much more numerous. The plants form large, strong, compact clumps, and bloom so freely that the deep blue flowers give almost a solid color effect. Each, 15c; doz., \$1.50.

### ANEMONE (Wind Flower)

**JAPONICA.** This is the summer flowering anemone which makes a hardy plant. Especially good for cut flowers. We have some fine clumps in red, pink and white. Each, 25c.

### CANNAS

A flowering bulb which produces immense plants of dark green foliage and brilliant flowers of red and yellow. They should be planted in the early spring, in rich soil, and watered freely for two weeks after planting. Red or yellow, each, 20c; 3 for 50c.

### HARDY NYMPHAES OR WATER LILIES

The Water Garden is an important feature in garden and landscape effects. The great diversity in size, color and other features among the Water Lilies gives the Water Gardening a peculiar fascination, interest and charm.

A Water Garden may be enjoyed in a sunny back yard as well as in large gardens or pretentious grounds.

We have these in white, pink, red and yellow and offer extra fine roots, acclimated to this climate, at 35c and 50c each. (Cannot ship before the middle of April.)

**Add a few names of friends who buy seeds and we will give you some flower seeds free**

## Perennial and Bedding Plants

The Parcel Post has made it possible for us to forward by mail at a minimum cost, all kinds of perennial and bedding plants. We pack very carefully and guarantee any orders you may trust us with to arrive in good condition, and will replace any that do not.

We make no charge for packing and the prices include postage. But if you order to come by express we will send you larger clumps and include extra plants for the postage.

### ASTER PLANTS

We have contracted for several thousand Aster plants, which are strong transplanted plants, and one can expect the finest flowers. Plant in rich loam and give plenty of water.

**SEMIPLE BRANCHING**, in lavender, pink, white, crimson and light blue. Doz., 50c; 100, \$3.50.

**GIANT COMET ASTER**. In the same colors. Doz., 35c; 100, \$2.50.

### BLEEDING HEART

**SPECTABILIS**. Flowers heart shaped in long racemes of rose crimson color. Excellent for border plants. One and one-half feet high. Blooms from April to June. Large clumps, each, 25c; doz., \$2.50.

### COREOPSIS

**COREOPSIS**. A brilliant yellow flower. Flowering from early June to October. Excellent for bedding. Each, 15c; doz., \$1.50.

**COSMOS**. Late and early. All colors. Doz., 35c.

**CALCEOLARIS**. Bright yellow. Fine for bedding. Each, 15c to 25c.



COREOPSIS

### CARNATIONS

The Carnations we offer are young plants from two inch roots. Planted out in the spring they should bloom from early July until fall.

**BEACON**. Brilliant scarlet with crimson tones.

**ENCHANTRESS**. A fine shade of rosy bluish-pink. Extra fine, unrivaled in color.

**WHITE ENCHANTRESS**. A pure white "sport" from the pink Enchantress. Price, each, 10c; per doz., \$1.00.

### CRYSANTHEMUMS

A late fall blooming plant that should be in every garden. It is of easy culture, and with good care can be made to produce extra large flowers. Clumps in white, yellow, pink, red and brick red. Each, 15c; the 4 for 50c.

**FOXGLOVE**. (*Digitalis*). An excellent plant for a background. Of easy culture and a free bloomer. White, yellow, pink and purple. Each, 15c; doz., \$1.50.

### GERANIUMS FOR BEDDING



The Geraniums we will offer for bedding this season will be the choicest lot of plants ever put on the market. They are grown especially for us and will be a hardy plant, very easily transplanted and make a splendid showing immediately. Red, white and pink.

Large plants, in bloom, each 25c; doz., \$2.50. Special prices by the 100 of 1,000.

**LITTLE WONDER**. A very compact plant, which is especially good for bedding. They make an excellent showing and are a great bloomer. Each, 25c; doz., \$2.50.

**HALL CAINE**. A brilliant scarlet variety. A fine potted plant. Large plants, in bloom, each, 35c; doz., \$3.50. Small plants, ready to bloom, each, 25c; doz., \$2.50.

**MRS. E. G. HILL**. A beautiful salmon pink, producing an extra large flower. Finest pink yet produced, both in size and color. Large plants, in bloom, each, 35c; doz., \$3.50. Small plants, each, 25c; doz., \$2.50.

**IVY GERANIUM**. This class of Geranium has a trailing habit and is unexcelled for baskets, vases and window boxes. Deep green, ivy-shaped leaves and brilliant colored flowers. Large plants, in bloom, each 35c; doz., \$3.50. Small plants, each, 25c; doz., \$2.50.

**PELAGONION, OR LADY WASHINGTON**. Like other Geraniums they flower during the summer months and are very ornamental either as house or bedding plants. Blush white, cerise, crimson, salmon and pink, blotched with maroon and mahogany. Velvety petals. Each, 35c; doz., \$3.50.

**DELPHINIUM (Larkspur)**. A hardy perennial of easy culture and does well in any soil or spot. Better flowers are produced if care is used and planted in good, rich soil. They flower from June to September.

**ALBUM**. Pure white. Grows four to five feet. Very large clumps. Each, 35c; doz., \$3.50.

**CINERARIA BLUE**. Sky blue; grows two feet; borne on erect stems. Large clumps, 35c.

**KING OF DELPHINIUM**. Indigo blue, white eye, grows four to five feet high, with spike of deep blue flowers. New and very fine. Large clumps, 35c; doz., \$3.50.

Add a few names of friends who buy seeds and we will give you some flower seeds free



## Perennial and Bedding Plants

**GYPSOPHILA (Paniculata).** A hardy perennial, commonly called Baby Breath. Produces double roset like flowers in great profusion. Fine for cutting. Each, 15c; doz., \$1.50.

**HELITHROPE.** A fine garden plant. Very fragrant. Lavender flowers. One plant will grow from fifty to one hundred blooms. Large clumps, each, 35c; doz., \$3.00. Small clumps, each, 15c; doz., \$1.25.

### HOLLY-HOCKS

We grow these from our finest selected seeds, and can supply you with the choicest of this old-fashioned flower in large two-year-old clumps of double or single white, pink, red or yellow. Each, 20c; doz., \$2.00. Small one-year-old plants which will bloom the first year, each, 10c; doz., \$1.00.

### HARDY PERENNIAL PHLOX

This is one of the most useful flowers for summer decorations. The colors are fine and come in red, white, pink, lilac and variegated. Are of easy culture and can be planted anywhere and do well. Strong plants, 15c to 25c each.

### LOBELIA PLANTS

**DWARF.** A dark blue dwarf flowering plant, which is especially good for borders. Each, 5c; doz., 50c.

**TRAILING.** A bright blue; a beautiful plant, especially used in hanging basket. Makes a beautiful sight with its thousands of blue tiny flowers. Each, 5c; doz., 50c.

**ORIENTAL POPPY.** The deep scarlet poppy with purple center. One of the most attractive flowers we have. Reseeds itself. Large clubs, each 20c; per doz., \$2.00.

**SHASTA DAISY.** An extra fine type of this flower which we can recommend very highly. Each, 15c; doz., \$1.50.

### TRITOMA

**TRITOMA, OR THE RED HOT POKER.** A hardy perennial which produces a rich orange-scarlet flower in spikes of six to ten inches long. Fine for mass effects. Large clubs, 25c each.



### PANSY PLANTS

From March until June we offer our **MASTODON PANSIES** put up one dozen in a basket. The plants are all in full bloom and comprise all the finest colors and shades. These are something very choice. Per basket, 75c. Can send anywhere.

**MASTERPIECE PANSIES.** The finest mixed variety, or in separate colors. Our seed has been especially selected for us and grown by an expert. They are the very best value ever offered in a bedding plant. Doz., 75c; 100, \$5.50. By express (charges collect), doz., 60c; 100, \$5.00.

### VIOLET PLANTS

**CALIFORNIA.** Large, fine plants, carefully selected so as to assure fine quality, and a large quantity of flowers. Half doz., 60c; plants.

**DOUBLE.** A constant bloomer of large, deep violet-purple double flowers. Very sweet scented. Half doz., 60c; doz., \$1.00.

	Dozen
Marigold, in different varieties.....	\$0.50
Petunia, finest colors.....	.50
Phlox, in different colors.....	.50
Salvia, in pots.....	1.00
Stocks, in different colors.....	.35
Verbena, different colors.....	.35
Daisies, Giant White.....	\$0.50 to \$1.00
Forget-Me-Not, finest blue.....	1.00
Pampas Grass, clumps, each.....	\$0.25 to .50
Coboea Scandia, each, in pots.....	.25
Ground Ivy, each.....	.15
Primrose, clumps, each.....	.15
Wall Flower, clumps, each.....	\$0.15 to .25
Lavender, large plants, each.....	.35

Our experience is at your service. Write us





## How to Grow Roses

**LOCATION OF BEDS**—Roses should be planted where they will be open to sunlight for at least half of each day. In locating beds, avoid trees, shrubbery and shady sides of buildings and fences. This will lessen the danger from insects and diseases.

**SOIL**—Any good garden soil, which will grow good vegetables will grow, with proper fertilization, fine Roses. The ideal soil is a clay loam of sufficient porosity to permit of ready drainage.

**PREPARATION OF BEDS**—The beds should not be so large that the Roses cannot be reached without treading among them. Long, narrow beds, with one continuous row of plants, are preferable. Spade the soil to a good depth, mixing in good fertilizer as you do so, and the richer the fertilizer the better results you will have. We manufacture a special rose fertilizer. Whale-bone meal is excellent.

**PLANTING**—Most varieties should be planted about  $2\frac{1}{2}$  feet apart, when the soil is in a nice, mellow condition. Spread the roots out well and press the soil down firmly. Plant slightly deeper than previously grown and give out good watering if weather is warm and dry.

**WATERING**—Most people water their Roses too much. Once a week is often enough and that early in the morning. Keep the soil mulched or cultivated around the bushes to prevent baking.

**MULCHING AND PROTECTION**—Only the tenderest varieties need any protection in this country. This can best be supplied by mulching the soil around the plants with a heavy application of cow manure, which should be spaded in the following spring. All plants should have this mulching.

**PRUNING**—Field-grown dormant Roses should be cut back severely when first set out. Subsequent prunings should be attended to in late winter and early spring, when all dead and weak growth should be removed entirely and the strong, live canes should be shortened back to one or two feet in length, according to the growth of the previous season. It may be accepted as a general rule that weak growth should be pruned severely and strong ones sparingly. Climbing Roses should not be cut back any more than is necessary to keep the plant in a shapely appearance.

**BEST TIME FOR PLANTING**—No question is asked more frequently than, "When is the best time to plant Roses?" Our dormant field-grown Roses can be planted any time that the soil can be worked, between October and April. Probably the best month is March. Most people plant in that month and with best results. Our small greenhouse-grown Roses should not be planted until a month later, when the soil has warmed up with the increasing strength of the sun's rays.

# Our 1916 Varieties

**WE OFFER** below a list of the finest of the new Roses. Some of these varieties are 1915 introductions and have not been listed in any Rose catalog to date. This stock is new and will not arrive here until March, 1916. Our stock of these varieties is limited and would suggest your placing your order early to be assured of getting delivery. The description is given by the originator and can be relied upon.

**ADMIRAL WARD.** (Pernet Ducher.) H. T. Large globular flowers, a beautiful crimson red, shaded with fiery red and velvety purple.

**COLETTE MARTINET.** H. T. Old gold yellow.

**AUTUM TINTS.** Coppery red, shaded orange and salmon.

**BRILLIANT.** Intense scarlet. The brightest color yet achieved in roses.

**COLLEEN.** Brilliant rose shaded rose pink, with deep rose crimson veneering on a distinct creamy yellow ground.

**COUNTESS CLANWILLIAM.** Delicate peach pink at the base of petals, which are flamed and heavily edged with deep cherry red.

**EDGAR BURNETT.** Large flesh petals, tinted rose.

**FLORENCE FORRISTER.** Clear snow white with lemon tinge. As flowers age they become pure white.

**H. V. MACHIN.** Scarlet crimson, very large.

**IONA HERDMANN.** Pure, clear orange flame. Greatest lift in color yet attained in roses.

**KILLARNEY BRILLIANT.** Deep rich, almost red. Sport from the well-known Killarney, which it supersedes in every way.

**GERMAINE ROSSIAND.** (Chambard.) H. T. Large cup-shaped center, salmon yellow aiglet passing to white.

**TOTOTE GELOS.** (Pernet Ducher.) H. T. Fleshy white, shaded with white in center.

**MRS. AMBROSE RICCARDO.** Deep honey yellow, overlaid brighter yellow. The largest yellow rose yet raised.

**MRS. CHAS. REED.** Pale cream, tinted deep peach, base of petals soft golden yellow.

**MRS. GEO. NORWOOD.** Bright, rich pink, beautifully veined with a tint of yellow at the base.

**MRS. JAS. LYNAS.** Pearly pink at the base of petals, flushed delicate rose pink at edges and on reverse of petals.

**MRS. WEMYSS QUIN.** Intense yellow chrome, washed with solid maddery orange, becoming deep canary yellow with age.

**RED LETTER DAY.** Brilliant glowing scarlet crimson, opening to medium sized, curiously cactus-shaped flowers.

**WALTON SCARLET.** Single crimson scarlet, very large for single rose, and produced in great freedom.

**THESE ARE ALL HYBRID TEAS AND ARE NEW THIS YEAR. THE COLLECTION COVERS PRACTICALLY ALL THE NEW SHADES IN COLORS. EACH, \$1.50; ANY FOUR FOR \$5.00.**

**If you intend to make an exhibit at your Fair, go through the specials. They produce wonderful results**

# Our 1916 Varieties

## AUGUSTUS HARTMANN.

Color brilliant geranium red flushed with orange, sometimes bright cerise. flowers of large size and beautifully formed; nearly all blooms coming perfect, and being carried erect on stout stems makes it an ideal rose for exhibitors and for massing. The growth is strong and sturdy, with deep green leathery foliage, which does not readily mildew. The color is very striking and the variety is perfectly distinct and hardy and perpetual flowering. It obtained the Silver Medal on many occasions as "the best bloom in the Show," and the National Rose Society Gold Medal at the Botanical Gardens, 1914. Each, \$1.50.

## AUTUMN TINTS.

Color, coppery red shaded with orange and salmon, medium size flowers, produced in great profusion throughout the summer and autumn; the growth is strong and branching, and the foliage a rich bronzy green, not liable to mildew. An exceedingly attractive bedding and decorative variety of similar coloring to Madame Edouard Herriot. Each, \$1.50.

## MARQUISE DE SINETY.

A beautiful golden shaded bronze red rose of fine habits and extremely well shaped buds. A truly wonderful rose. Each, 75c.

## GEO. C. WAND.

A new orange vermillion colored rose, strong growing and fine foliage, shading is soft and a rose of real merit. Each, \$1.00.

## PRINCE DE BULGARIE

### Salmon Pink

Silvery flesh very delicately shaded with salmon, long bud opening to full cup-formed flowers; a distinct and very charming variety. Mark the prediction, "Prince de Bulgarie" will be in the forefront of all forcing roses. Each, 75c.

## PINK FRAU KARL DRUSCHKI

### Rose Pink

This beautiful rose caused a sensation when first exhibited. A very vigorous grower of erect branching habit. Flowers beautiful tender rose, tinted yellow, large and full. On account of its size and color this variety will soon gain the same popularity as the famous Druschki. Each, 75c.



PINK FRAU KARL DRUSCHKI

Our experience has taught us who grows the best seeds, and we have them, grow ours



# Gold Medal Collection



**BRITISH QUEEN.**

**GEORGE DICKSON.** The color is velvety black scarlet crimson with brilliant scarlet reflexed tips. It is a rose that is always there, be the weather what it may. Produces huge blooms quite five inches across. The best red rose ever produced. Each, \$1.00.

**LADY PIERRE.** A deep coppery, reddish salmon colored rose, of fine growth produces beautiful shaped buds on long stems and an exceedingly choice variety. Each, 75c.

**BRITISH QUEEN.** (McGredy.) White, of pure color, in the bud stage it shows a slight flush which disappears as the bloom opens; flowers large, of fine form, growth vigorous and branching, very floriferous and sweetly fragrant. Each, \$1.00.

**DUCHESS OF NORMANDY.** A soft salmon colored beautiful rose of decided merit. It is overlaid with yellow. The blossoms are freely produced and are carried on rigid stems. They are large and full and conical in shape. See ent on next page. This resembles the "Dean Hole," from which it is grown, excepting the color. Each, \$1.00.

**DUCHESS OF WELLINGTON.** A grand Rose of the famous Killarney type, but of an entirely distinct color from any rose now in cultivation. It being of an intense saffron-yellow stained with crimson in the first stage, which, as the flowers develop, changes to a deep, coppery, saffron-yellow. The flowers, which are fairly full, resemble Killarney in shape, but the petals are larger and of greater substance. Delightfully fragrant and very free-flowering. Each, 75c; per doz., \$7.50.

**DUCHESS OF WESTMINSTER.** (Dickson & Sons, 1911.) A peerless tea-like Rose and one of the best in our trial grounds, with beautifully smooth and massive petals. The blooms are very large, full and perfectly formed, with high-pointed center. Very sweetly perfumed. The color, which is very novel, is a dainty, clear rose. The growth is vigorous, erect and of very free-flowering habit. A gorgeous and absolutely distinct Rose. Each, 75c; per doz., \$6.00.



**DUCHESS OF WELLINGTON.**

To obtain the best results use our Fertilizer



**DUCHESS OF NORMANDY.**

**LAURET CARLE.** One of the finest brilliant carmine colored roses we have ever seen. Flowers of immense size and substance, and of exceedingly perfect form. We have some extra fine stock of this and look for fine results. Each, 75c.

**EDWARD MAWLEY.** (McGredy, 1911.) A with a delightfully velvety gloss on the petals, beautiful rich crimson, touched with maroon, which are large. Awarded a Gold Medal by the National Rose Society. Each, 75c; per doz., \$6.00.

**EARL OF WARWICK.** A soft salmon-pink rose, that does fine in this locality. Free bloomer and very vigorous and strong. This is a distinct shade and one that will soon be very popular. Each, 75c.

**GUSTAVE REGIS.** A canary-yellow Rose of exceptional free blooming and perfect pointed buds. Each, 50c; per doz., \$5.00.

**JONKHEER L'MOCK.** A most sterling novelty. Flowers which are produced with the greatest freedom; are borne on stiff, erect stems; are large and of perfect form; color, a deep imperial pink; outside petals silvery rose and white, lightly perfumed. Each, 50c; per doz., \$5.00.

**LOUISE CATHERINE BRESLAU.** Coral pink. A vigorous grower of robust constitution with fine, glossy green foliage. Large oval-shaped bud of coral tint, shaded with chrome yellow, cross between an unknown variety and Soleil d'Or. On account of its distinct coloring this variety will soon gain the same popularity as Lyon Rose, which it surpasses as regards hardiness. Each, \$1.00.

**MRS. ALFRED TATE.** A coppery red novelty, and a distinct variety in shape and color. Produces one of the finest red buds, and a very classy flower. Each, 75c.

**MRS. AARON WARD.** Color, Indian yellow. One of the finest of all yellow roses; very free bloomer. Each, 50c; per doz., \$5.00.

**MRS. DAVID McKEE.** A perfect white Rose, resembling Kalserin A. Victoria. Buds more pointed and open, more perfect; a grand bloomer. Each, 50c; per doz., \$4.00.

**ARTHUR R. GOODWIN.** (Pernet Ducher, 1909.) (A. B.) This is a genuine "Pernetiana," and is perfectly hardy everywhere. The color is coppery orange-red passing to salmon-pink as the flowers expand. A superb combination of color; flowers medium to large and full. Each, 60c; per doz., \$5.00.

**RAYON D'OR (Golden Rays).** Don't be without one or more. A gorgeous new golden-yellow Rose, vigorous and strong grower with glossy foliage. Not acceptable to mildew. Flowers large of globular form. A show by itself in any garden. Each, 75c; per doz., \$7.50.

**SUNBURST.** Deep yellow with orange yellow center; large, full and beautifully formed flowers produced in great profusion. Very beautiful and the best of all Tea Roses. Each, 75c; per doz., \$7.50.

**WILLIAM SHEAN.** Purest pink, petals shell-shaped, four to five inches long; flowers of immense size and substance and of perfect form; free blooming and distinct. Gold Medal, N. R. S. You will have to travel a long ways before you beat this Rose for the garden. Each, 75c.



**LAURET CARLE.**

# Pacific Coast Rose Show Collection



**MELAINE SOUPERT.**

✓ **MELAINE SOUPERT.** The Rose that took the Sweepstakes at the 1913 show. Fine, long bud, very large when opening, splendid keeper, and beautiful deep green leavy foliage, with pinkish tint. Each, 35c; per doz., \$4.00.

✓ **LADY HILLINGDON.** Deep apricot yellow, very long pointed buds and very free flowering. Superb variety. Each, 50c; per doz., \$4.00.

✓ **LE PROGRESS.** Nankin yellow, open to saffron yellow. Flowers large and full and erect stems. Fine bloomers and one that will always be a favorite. Each, 35c; per doz., \$3.50.

✓ **JOSEPH HILL.** Fine salmon pink. Shaded to a coppery yellow, beautiful long pointed bud. Each, 40c; per doz., \$3.50.

✓ **MRS. ARTHUR ROBERT WADDELL.** A variety that meets with universal favor. A delicate soft rosy salmon, suffused with a golden sheen; free flowering. A Rose that should be in every collection. Each, 50c; per doz., \$5.00.

✓ **LYON.** No Rose has been introduced that has won more favor for the last two years than this grand Rose. No artist can describe its beauty—coral red and salmon pink, shaded with chrome yellow in center. Each, 35c; per doz., \$3.50.

✓ **FRAU KARL DRUSCHKI.** There never has and we doubt if there ever will be a pure white Rose that will excel this, the queen of all white Roses. Each, 35c; per doz., \$3.00.

✓ **JULIET.** Outside petals old gold; center rich rose gold; very large, a full good keeper; blooms all the time. Very fragrant and a most beautiful Rose. Each, 50c; per doz., \$4.00.

✓ **J. B. CLARK.** Is without question the finest deep crimson Hybrid Tea Rose in cultivation and takes prizes wherever shown. Perfect bloomer. Each, 40c; per doz., \$4.00.

✓ **GENERAL McARTHUR.** Elegant scarlet sun-proof; keeps its color to perfection. Free bloomer. Each, 35c; per doz., \$3.50.

✓ **HUGH DICKSON.** One of Hugh Dickson's best red roses. Simply a marvel of beauty. Each, 35c; per doz., \$3.50.

✓ **BETTY.** A beautiful coppery rose color; overspread with golden yellow; very large and fragrant. One of the best blooming roses in existence. Each, 35c; per doz., \$4.00.

✓ **MAD. LEON PAIN.** Handsome plum color foliage, orange yellow, salmon center; reverse bright red, yellow. A grand Rose. Each, 40c; per doz., \$4.00.

✓ **HARRY KIRK.** Awarded Gold Medal by the National Rose Society of England. Deep sulphur yellow. Each, 40c; per doz., \$4.00.

✓ **TESTOUT.** A favorite everywhere and a grand pink Rose. Each, 35c; per doz., \$3.00.

✓ **PEARL DES JARDENS.** Fine yellow Rose but our experience for the last ten years has been that too many of the buds go blind and do not open to perfection. Each, 35c; per doz., \$3.00.

✓ **CECIL BRUNNER.** Everyone who ever saw Cecil Bruno regard it as the King of all Polyanthus Roses. Each, 35c; per doz., \$3.50.

✓ **LA TOSCA.** A beautiful silvery pink, deep center; very large perfect buds and flowers. Has taken many prizes. Each, 50c; per doz., \$5.00.

✓ **WINNIE DAVIS.** Rich apricot pink, shading to flesh color; has a beautifully formed bud and bloom. Blooms all the time and is a great favorite. Each, 40c; per doz., \$3.50.

✓ **KATE MOULTON.** Light pink. Beautiful, long, perfect bud; robust growth; heavy foliage. A grand Rose. Each, 40c; per doz., \$3.50.

✓ **FLORENCE PEMBERTON.** (Alex. Dickson 1903.) Creamy-white suffused pink; large, full, perfect in form with very high pointed center; very fine. Gold Medal, N. R. S. Each, 35c.

✓ **GRUSS AN TEPLITZ.** (Geschwindt, 1898.) Bright crimson white, fiery-red center; cup-shaped; semi-double; flowers in clusters; so free in bloom as to present a blaze of scarlet. Each, 35c; doz., \$3.50.

If you intend to make an exhibit at your Fair, go through the specials. They produce wonderful results





DEAN HOLE.

✓ **DEAN HOLE.** (Alex. Dickson, 1904.) An intense salmon-pink, with bud of extraordinary length opening into a mammoth bloom of splendid substance. An English gold medal Rose that is bound to rank with the very best. Gold Medal, N. R. S. Each, 35c.

✓ **KILLARNEY.** (Alex. Dickson, 1898.) The finest Rose ever introduced. In coloring it is especial, being an exquisite shade of deep sea-shell-pink and flowers are of enormous size, the petals being two and one-half inches deep. Each, 35c; doz., \$3.50.

**MRS. JOS. H. WELSH.** A pink rose of rare beauty and one which received a great deal of admiration at the last year shows. A true pink of fine shape, deeper at the base, petals long and narrow. Each, 50c.

✓ **SOUVENIR DE PIERRE NOTTING.** (Soupert & Notting, 1901.) Color apricot yellow blended with coppery-yellow; long bud opening to large, full flower. Gold medal, N. P. S. Each, 40c; doz., \$3.50.

**JUBILEE.** Henderson, 1898.) A pure crimson with shading of maroon; a grand Rose from every point of view. Each, 35c; doz., \$3.50.

✓ **OPHELIA.** Salmon pink shaded with rose at the base. Flowers large and exceedingly well shaped, long bud opening to large full flower free bloomer. Each, 50c.

✓ **MILDRED GRANT.** (Alex. Dickson.) Ivory white, with an occasional flush of pale peach. High pointed center with unusually large and massive petals, opening to perfectly formed flowers of enormous size and substance. Awarded the gold medal of N. R. S. It is a grand Rose. Each, 50c; per doz., \$4.00.

✓ **MME. ABEL CHATENAY.** One of the most popular Roses everywhere, both in the garden and as a cut flower, thousands of its beautiful buds being sold daily on the streets of London. It succeeds equally well here, is a strong grower and produces very freely beautiful flowers of carmine-rose, shaded with salmon. Each, 35c; per doz., \$3.50.



MME. ABEL CHATENAY.

Our experience has taught us who grows the best seeds, and we have them, grow ours



MADAM CUTBUSH.

✓ **BRIDESMAID.** A fine, clear, dark pink, the counterpart of Catherine Mermet in size and shape of flower and habit of growth, but much deeper in color and vastly more beautiful, exquisitely formed buds, very large, long and pointed, and borne on stout stems. A grand Rose. Each, 35c; per doz., \$3.00.

✓ **MY MARYLAND.** A grand cut flower bedding Rose, with the general habit and coloring of Killarney, but showing a more decided rose-pink. Good free-branching, clean-foliaged sort of the practical type, which gives flowers all the time. Each, 35c; per doz., \$3.00.

✓ **PHARISAER.** Exceptionally fine free flowering, producing long buds which open into large double flowers of a fine rosy white, shading to a soft salmon. Each, 40c; per doz., \$3.50.

✓ **IRISH ELEGANS.** The largest and most beautiful of all single Roses; a great bloomer. Fine orange color, always in bloom and a great show in any garden. Each, 50c; per doz., \$4.00.

✓ **MADAM CUTEUSH.** Makes a beautiful bush with large single flowers in clusters, which covers the bush entirely. A beautiful show. Each, 50c; per doz., \$5.00.

✓ **TAUSENSCHON.** A wonderful new climber—very large single pink. Over three inches across. Free bloomer and a very hardy Rose. Each, 50c; per doz., \$5.00.

✓ **DEAN HOLE.** An exquisitely beautiful Rose of bright carmine pink color, with silver shadings and with the grandeur of American Beauty in form and foliage. Buds of extraordinary length, opening into a mammoth bloom of splendid substance. Continuous bloomer. Each, 35c; per doz., \$3.50.

✓ **MRS. SHARMAN-CRAWFORD.** (Deep, rosy pink; outer petals shading to pale flesh color. One of the finest Roses in every way. Each, 35c; per doz., \$3.50.

✓ **LADY ASHDOWN.** Unexcelled for cutting. Produces perfect blossoms of soft rose, shading to yellow at base of petal. Flowers are large, double, with high-pointed center, grown on long stems. Each, 35c; per doz., \$3.50.

✓ **DOROTHY PAGE ROBERTS.** A delightful blossom of coppery-pink, suffused with apricot shadings. Large petals, exquisite buds and flowers. Has won many prizes. Each, 35c; per doz., \$3.50.

✓ **MARIE VAN HOUTTE.** Of fine, faultless straw-yellow color; outer petals washed and outlined with a bright rosy carmine; occasionally the whole flower will be suffused with a light pink. Each, 35c; doz., \$3.00.

5% discount on orders amounting to \$5.00 or over.

10% discount on orders amounting to \$10.00 or over.



MY MARYLAND.

Add a few names of friends who buy seeds and we will give you some flower seeds free

## Tea or Ever-Blooming Varieties

They are highly prized and admired for their the most of the ever-blooming Roses. They are the most refined, and a class comprising delicious fragrance and the exquisite beautiful forms and colors of their flowers. In color they embrace all shades from the purest white to the brightest crimson, and from light straw to rich orange. The climate of Washington being peculiarly adapted to Roses, this fairly revels in luxurious growth and bloom. Choice 2-year-old Bushes, 35c each; 6 for \$1.75; 12 for \$3.00.

### WHITE ROSES

**KAISERINE AUGUSTA VICTORIA.** A strong, vigorous grower, producing buds and flowers of enormous size. Color, pure white. We have no hesitancy in saying that this Rose is unequaled by any other variety of its color.

**THE BRIDE.** The finest white Rose ever offered. The buds are very large and of exquisite form, and the full flower is very double, measuring four inches in diameter.

**WHITE MAMAN COCHET.** A splendid Rose; has all the good qualities of Maman Cochet, but is white, equally large and fragrant, hardy and productive. One of the very best white ever-blooming Roses for bedding.

**MARGARET DICKSON.** Large flowers, elegantly formed and well presented on long, stiff stems; pure white, with pale flesh centers and magnolia fragrance. One of the grandest Hybrid Perpetual Roses in existence.

**ESSIE BROWN (Hybrid Tea).** Color, cream white, sometimes faintly flushed pink; flowers large and of shell shape. Free blooming and sweet scented.

**MABEL MORRISON.** Of the purest white and almost velvety in its finish; petals thick and shell-shaped; very double and rounded in form. One of the finest varieties extant. Two-year-old plants only.

### PINK ROSES

**PRESIDENT CARNOT.** A rosy flesh rose and shaded with a lighter tint at the end of the petals. Flowers very large both in bud and blossom. Very fine and fragrant.

**VISCOUNTESS FOLKSTONE.** Beautiful flowers on strong stem, thick foliage, delicately tinted flesh color, almost white, satiny finish. One of the most beautiful varieties in cultivation.

**CLIO.** Vigorous growth; large, handsome foliage; flowers flesh color; shaded in the center with rosy pink; very large, fine globular form and freely produced. A grand addition to the style of Baroness.

**ADMIRAL DEWEY.** A large, full rose, with broad, heavy petals. Color light, flesh tint, shading to a blush in center. Well liked and popular variety.

**MAMAN COCHET.** One of the most beautiful Tea Roses, vigorous in growth with rich, heavy foliage and very large flowers on long stems. Color deep, rosy pink, inside of petals a silvery rose. Very double, exquisite bud or bloom.



LYON.

**BON SILENE.** The buds are handsome and produced in great profusion; color, dark rosy carmine. A great favorite.

**LA FRANCE.** Perhaps no Rose is better known or more highly valued than La France. Both flowers and buds are of grand size; color, a silvery rose, changing to pink. A general favorite and the sweetest of all Roses.

### DARK VELVETY ROSES

**BARON DE BONSTETTIN.** Splendid large flowers, very double and full; color, rich dark red, passing to deep velvety maroon.

Add a few names of friends who buy seeds and we will give you some flower seeds free



## RED ROSES

✓ **BARBAROSA** (Red Druschki). A pure carmine red blossom, large and full. Similar in style and habit to the other Druschkis.

✓ **RICHMOND** (Hybrid Tea). A splendid new American Rose of great merit. Strong in growth, splendid foliage and long stems. Color, a magnificent rich scarlet-crimson, the most vivid we have yet seen among ever-blooming roses. Is being grown largely by florists for cut flowers. Price, 2-year-old plants, 50c.

✓ **LIBERTY**. Rich, velvety-crimson, long, pointed bud; free flowering.

✓ **ULRICH BRUNNER**. This is really a magnificent Rose; extra large, bold flowers, full and globular; petals large and of a good substance; color rich, glowing crimson, elegantly flamed with scarlet; a good grower and free bloomer; one of the best for forcing.

✓ **GENERAL JACQUEMINOT**. Bright shining crimson, very rich and velvety, exceedingly brilliant and handsome; makes magnificent buds and is highly esteemed as one of the best and most desirable for open ground.

✓ **PAPA GONTIER**. A magnificent red Rose; flowers are large and semi-double; a vivid cherry red color, shaded yellow, reverse of petals crimson; free growing and flowering very profusely. One of the very best for open ground. No other red Tea Rose can compare with it.

✓ **PAUL NEYRON**. Deep, shining Rose, double and handsomely formed; blooms freely and is unusually strong and vigorous; the largest variety in existence, and one of the most desirable for the garden.



MADAM WELCHE.

## YELLOW ROSES

✓ **MADAM WELCHE**. Flowers very large and double, of the finest form; the outside petals pale yellow, the center deep orange, often shaded reddish copper. A grand garden Rose.

✓ **SAFRANO**. Bright apricot yellow, tinged orange and fawn. Valued highly for its beautiful buds. Very profuse in bloom and deliciously tea scented.

✓ **SUNSET**. This grand Rose is a favorite wherever known. The color is a rich golden amber, or old gold, elegantly shaded, and buds are extra large, full, finely formed and deliciously perfumed.

✓ **COQUETTE DE LYON**. A very free flowering, deep yellow Rose, handsome buds and flowers.

✓ **DR. GRILL**. Clear puff pink, passing to rose and fawn, elegantly suffused with pale canary yellow. A very fine variety for the garden.

✓ **SUNRISE**. A beautiful new English variety of a high order of merit. Buds a beautiful mingling of scarlet and yellow, changing as the flower opens to orange and copper color. Flowers of large size, double and tea scented. A strictly fancy variety.

✓ **SOLEIL D'OR** (Golden Sun). The first of a new type and from which the wonderful Lyon Rose was developed. A perpetual bloomer, robust grower, brownish wood, foliage beautiful bright green and scented. Flowers very double, most beautiful when full blown, a superb color, varying from gold and orange yellow to reddish gold and shaded with nasturtium red. Delightfully fragrant.

## VARIEGATED ROSES

✓ **RAINBOW**. Beautiful buds and flowers of large size; color, a beautiful shade of deep pink, distinctly striped and mottled with brilliant crimson, elegantly shaded and toned with rich amber; very fragrant and exquisitely beautiful.

✓ **MOSS ROSES**. We offer three good sorts of these old-fashioned Roses—Elizabeth Rowe (pink), Mousseline (white), Luxemburg (red). Price, two-year-old plants, 35c each.

## TREE OR STANDARD ROSES

Tree-shaped Roses are stately objects for lawns, standing as they do four and five feet high, with large heads of growth at the top of their slender single stems. They flower quite as profusely as the bush Roses, and if anything the flowers are of finer quality. We grow only a few leading sorts in this form of culture, the best of which are the following: Madame Caroline Testout, Frau Karl Druschki, Hugh Dickson, J. B. Clark, Madame Abel Chatney, Glory de Dijon, La Progress. Price, \$1.00 to \$2.00 each, by express or freight.

Plant a few Lilies. Nothing finer.



### SUPERB CLIMBING ROSES

Two-year-old, 35c, 3 for \$1.00; extra strong plants, 50c, 3 for \$1.25.

**REVE DE OR.** Same as Climbing Safrano.

**CLIMBING LIBERTY.** Deep red; same as the well known Tea Rose; a strong climber and a fine bloomer.

**CLIMBING ALFRED CARRIER.** The most vigorous white climbing Rose grown; free bloomer; doesn't mildew.

**CHROMATELLA (Cloth of Gold).** A clear golden yellow; large, very full and double, highly fragrant. Highly prized in the South for pillars and verandas. We have the true variety.

**REINE MARIE HENRIETTA.** A strong, vigorous grower, flowers large, full and of fine form; color, glowing crimson, elegantly shaded. One of the best climbers.

**WILLIAM A. RICHARDSON.** Color, rich coppery yellow, flushed with carmine. A very beautiful variety, having few equals.

**CLIMEING KAISERIN (Mrs. Robert Peary).**

This is, without doubt, the grandest of all white climbing Roses. It is the first and only pure white, hardy, ever-blooming climbing Rose.

**CRIMSON RAMBLER.** One of the varieties that improves upon acquaintance and is adapted to any locality; of rapid growth, will attain a height of 15 feet in a season. It flowers in trusses, measuring 9 inches from base and 7 across, fairly covering the vines from bottom to top.

**DOROTHY PERKINS.** This beautiful new Rambler is one of the finest pillar Roses. Its growth in a single season is wonderful. The foliage is glossy, green, the blossoms grow in immense clusters of 15 to 30, very double, crinkled, of shell pink color and possess very lasting qualities. Buds are very pretty, plants extremely hardy. Must be given plenty of room when planted.

**MADAM CAROLINE TESTOUT.** Will do as well as the regular Testout, the one that everybody knows and has.

**LA FRANCE.** A quick grower and free bloomer. Fine.

**CAROLINE GOODRICH.**

**GLOIRE D'DIJON.** Buff with orange center, very large, very double and full. An early bloomer. Does well in any location.

**MARECHAL NEIL.** One that everybody knows well, and nothing better, if located in a good spot.

## Odorless Fertilizer

Don't pay over \$2.50 per 100 lbs. for your Lawn and Rose Fertilizer. We manufacture all our fertilizer. Import the ingredients direct, such as Nitrate of Soda, Potash, Phosphate, etc., and our 25 years of experience with Roses and Lawns in Seattle has taught us the proper percentage to use to produce the best flowers, the greenest lawns and help kill the weeds.

5-lb. carton ---	.25	50-lb. bag -----	1.35
10-lb. bag -----	.40	100-lb. bag -----	2.50
25-lb. bag -----	.75		

We like to hear the results you obtain from our seeds. Write us

# Hardy Climbing Plants

**CLEMATIS PANICULATA.** (New Sweet-scented Japan Clematis.) A vine of very rapid growth, quickly covering trellises and arbors with handsome, clean, glossy, green foliage. The flowers are of small size, pure white, borne on immense sheets, and of a most delicious and penetrating fragrance. These flowers appear in September, at a season when very few other vines are in bloom. Price, 35c to 50c.

**HENRYL.** Fine, large, creamy white flowers; a stronger grower and very hardy; 75c.

**JACKMANI.** Intense violet purple, with a rich velvety appearance, distinctly veined; 75c.

**MADAME ED. ANDRE.** Wine red, without a touch of purple. Fine, free-growing variety. Price, 75c.

**IVY, ENGLISH.** Thick, leathery evergreen leaves. Price, 25c.

**BOSTON IVY** (*Ampelopsis, Veitchi*). The most vivid autumn tints, gold, purple and scarlet. Each, 35c to 50c.

**VIRGINIA CREEPER** (*Ampelopsis, Quinquifolia*). The well known Virginia Creeper. Large two-year-old vines, 50c each; extra heavy stock, 75c; per doz., \$3.50.

**HONEYSUCKLE, CHINESE EVERGREEN.** Sweet-scented white flowers; holds its foliage late. Two-year-old plants. Each, 50c; extra heavy stock, 75c.

**HONEYSUCKLE, HALLEANUM.** Two-year-old plants, 75c; extra heavy stock, \$1.00.

**JASMINE, OFFICINALLIS.** The hairy, white flower Jasmine; very sweet-scented. Each, 50c.

**PUERARIA THUNBERGIANA** (*Kadzu Vine*.) Exceedingly valuable for covering arbors, verandas and pillars. Each, 60c.

**WISTERIA, SINENSIS BLUE.** A good, rapid growing, hardy climber. Lovely long panicles of dark blue flowers, produced in the most wonderful profusion, often attaining a height of 50 feet or more. Two-year-old plants, 50c; extra heavy stock, \$1.00.

## Hop Vines

Grown very extensively for hops; also planted largely for shade and covering fences, buildings, etc.; rapid growers.

**ENGLISH CLUSTER.** The best sort. Strong roots, postpaid, 5c each; 40c per dozen. By express, 25c per dozen; \$1.50 per 100. Write for prices if wanted by the 1000.

## Can You Afford to Miss This Special Offer:

6 Roses, your selection of the 35c	\$2.10
1 Hydrangea	.50
1 Spirea	.50
1 Dentzias	.50
1 Snowball	.75
1 Weigelia	.75
1 Clematic Jackmanii	.75
1 Virginia Creeper	.50
1 Wisteria	.50

\$6.85

This collection for \$4.75.

This will make a fine showing in your garden and one that will give you lots of pleasure. It is all fine stock and we stand back of all we sell.

If your ground is poor, use fertilizer





## Shade and Ornamental Trees

**SUGAR MAPLE** (*A. saccharinum*). A well known, large native tree, valuable both for the production of sugar and for its wood. Its stately growth, fine form and foliage make it desirable for the lawn and especially for street planting; to 8 feet, 75c; 8 to 10 feet, \$1.00.

**NORWAY MAPLE** (*A. platanoides*). A large, handsome tree of sprading, rounded form, with broad, deep green foliage. Its compact habit, stout and vigorous growth make this one of the most desirable for park or street plant. 5 to 6 ft., 50c; 6 to 8 ft., 75c; 8 to 10 ft., \$1.00.

**SILVER MAPLE** (*A. dasycarpum*). Well known native tree of very rapid growth. A most useful tree where immediate shade is wanted. Much used for street planting. 6 to 8 ft., 75c; 8 to 10 ft., \$1.00; 10 to 12 ft., \$1.50.

**GENEVA PURPLE MAPLE**. A handsome new variety, with dark purple foliage, holding its color all summer. The best purple leaved maple. \$1.50.

**AMERICAN MOUNTAIN ASH** (*P. Americana*). A pretty, medium sized tree, with abundant clusters of large orange red berries

in autumn. It fruits in a young state and is a very desirable tree. Specimen trees, 8 to 12 ft., \$1.00 to \$1.50.

**EUROPEAN MOUNTAIN ASH** (*P. aucuparea*). Similar to the American form, but with a more slender growth and bright scarlet berries. 5 to 6 ft., 75c. Specimen trees, 8 to 10 ft., \$1.00.

**RUSSIAN MULBERRY** (*M. alba*). Well known, hardy, very rapid growing tree, suitable for hedges or screens. The fruit is sweet, much relished by birds and when they can get them, they will leave cherries and berries alone. 4 to 5 ft., bushy trees, 50c.

**AMERICAN ELM** (*Ulmus Americana*). (L.) This familiar tree, which arches many New England streets, grows well in other sections. Its rapid growth and especial grace make it unsurpassed for urban and suburban planting. Each, \$1.00 to \$1.50.

**ENGLISH ELM** (*Ulmus campestris*). (L.) Equally fine and imposing, and is just as useful as our native variety. Holds its leaves a longer time than the American sort. Each, \$1.50 to \$2.50.

We make special prices to market gardeners on Pears in 100-lb. lots

**CORK ELM.** A fine tree with corky branches; foliage dark green, turning yellow in the fall. Each, 75c and \$1.00.

### LICUS (*Gleditchia* and *Robina*)

**BLACK LOCUST** (*R. pseudacacia*). A native tree of very rapid growth, valuable for its timber and also very ornamental with its long, pendulous racemes of fragrant white flowers in June. 8 to 10 ft., 75c and \$1.00.

**HONEY LOCUST** (*G. triacanthus*). A rapid growing tree with fern-like foliage and armed with powerful spines; used for hedges. 5 to 6 ft., 60c.

### LINDEN (*Tilia*)

**AMERICAN LINDEN OR BASSWOOD** (*T. Americana*). One of the largest and handsomest native shade trees, with a compact, round head and fine large foliage. Its handsome, fragrant flowers, produced early in summer, make the tree especially interesting as well as valuable. A fine tree for street planting and for the lawn. Fine strong trees, 8 to 10 ft., \$1.00; Fine strong trees, 10 to 12 ft., \$1.50.

**EUROPEAN WHITE BIRCH** (*B. alba*). A graceful tree with silvery white bark and slender branches. 8 to 10 ft., \$1.00 and \$1.50.

### JAPANESE MAPLES

A beautiful class of low-growing shrub-like trees, having brilliant colored leaves, which retain their brightness from spring until fall. Nothing finer than these can be had for planting, either in groups or singly on the lawn. Their dense, compact growth, graceful habit and rich-colored foliage make them favorites with all who see them. A large variety to select from. 75c to \$1.00.

### MAGNOLIA

**GRANDIFLORA.** Rare and choice small tree, of the highest ornamental merit. Their elegant habit and foliage alone would render them indispensable, but the flowers, their crowning beauty, are unequaled in size and showy effect among hardy trees and shrubs. A magnificent evergreen, with large, leathery green leaves, more than a foot long; bars large, fragrant white flowers. \$1.00 to \$1.50.

### PRUNUS

**PISSARDI.** The purple-leaved plum of Japan; growing into a shapely small tree of much merit. Covered in the spring with clouds of white flowers, followed by leaves, which turn a beautiful bronzy purple color, remaining beautiful a long time. Each, \$1.00 to \$2.50.

### WEeping TREES

**Weeping Birch.** Cut leaved. 8 to 10 ft., \$1.50; 10 to 12 ft., \$2.50.

**WEeping WILLOW.** Kilmarnock. A distinct variety, having reddish shoots and large foliage. They make a most desirable and graceful, drooping small tree for lawns. 6 ft. and two-year heads, each \$1.50.

### ENGLISH HAWTHORN

Rare and beautiful small trees for the lawn so well known as to need no description. The foliage alone is sufficient reason for the cultivation of these rare trees, added to which are the beautiful double flowers which appear in late spring.

**DOUBLE PINK.** Fine small tree for lawn planting, bearing in the spring beautiful umbels of pink flowers. \$1.00 to \$2.00.

**DOUBLE SCARLET.** Rich, brilliant scarlet flowers in large umbels. Always in bloom on Decoration Day. Very fine for lawn and cemetery planting. \$1.00 to \$1.50.

**DOUBLE WHITE.** Beautiful pure white flowers, in large umbels, late in the spring. Each, \$1.00.

**CATALPA, SPECIOSUM.** Very large leaves; beautiful tree for lawn. Flowers in July. 6 to 8 ft. trees, each, \$1.00.

**PURPLE LEAF BIRCH.** Foliage beautiful shaded purple; handsome lawn tree. Each, \$1.00 to \$1.50.

**BEECH.** A large and beautiful tree; dark green, glossy leaves. Each, 75c, \$1.00 and \$1.50.

**CUT LEAF BEECH.** Very graceful, forming a dense, low-growing tree. Each, \$1.00, \$1.50 and \$2.00.

**PURPLE BEECH.** A strong, vigorous grower of elegant habits; foliage dark purple. Each, \$1.00, \$1.50 to \$2.00.

**POPLAR.** Caroline and Lombardi. Each, 8 to 10 ft., 75c to \$1.00.

**SYCAMORE** (*Oriental Plane*). One of the finest trees for street or lawn; straight trunk and beautiful foliage. Strong trees, 8 to 12 ft., each, \$2.00.

**TULIP TREE.** A rare, stately, rapid-growing tree; narrow, bright green leaves, turning yellow in autumn. Flowers yellow blotched with orange. Fine trees, 8 to 10 ft., each, \$1.00 and \$1.50.

**HORSE CHESTNUT.** Our well known and beautiful Horse Chestnut should be planted in every garden; white and red. 6 to 8 ft., each, \$1.00.

**SPANISH CHESTNUT.** A beautiful ornamental tree, grows a fine spreading crown; dark green thick leaf; very stocky. 8 to 10 ft., each, \$1.25 to \$2.00.

**AMERICAN SWEET CHESTNUT.** The fruit is very sweet and fine flavored, rather small but prolific and profitable. Large trees, 8 to 10 ft., ready to bear, each \$1.00 to \$1.50.

**WALNUT** (*English*). Mayette is the finest walnut grown; true French stock; is grown very extensively and successfully on the Coast. 5 to 7 ft., each, \$1.00 to \$1.50.

**BUTTERNUT.** A beautiful growing tree; nuts large, rough shell, with sweet, rich, white kernels; large tree. 10 to 12 ft., each, \$1.25 to \$1.50.





## Evergreen Trees, Shrubs, Etc.

**AREOR VITAE.** Chinese Golden. Very compact and regular in habit; the foliage assumes a beautiful golden tint in the spring. Choice plants, per ft., \$1.00.

**ARAUCARIA, IMBRICATA.** Chile Pine, or Monkey Tree. Each, \$2.50 to \$15.00.

**CAMELLIA (Japonica).** Very beautiful, winter flowering evergreen; the handsome, shining dark green foliage and magnificent, wax-like flowers of various colors render them indispensable for the conservatory, and are well-adapted for parlor or window culture; perfectly hardy in this climate, in the open ground, but should be planted in a shady place and protected first year. We have these in three colors—double white, pink and red; 1½ to 2 ft., each, \$1.00 to \$1.50; large plants, \$2.50 up.

**CEDRUS (Atlantica).** Three ft., each, \$1.50 to \$2.00.

**DEDORA, BLUE.** 2 to 3 ft., \$2.00 to \$2.50.

**CRYPTOMERIA.** One of the finest evergreens of Japan; of both upright and drooping habit; foliage most needle-like, end of branches soft and flexible; \$2.50 to \$4.00.

**CYPRESS.** (Lawson's.) A beautiful tree, native of this state, with elegant drooping branches and very slender, feathery branchlets; 2 to 3 ft., each, \$1.00 to \$2.50; 4 to 5 ft., \$5.00 up.

**DAPHNE (ODORA).** A very pretty early flowering shrub, producing pink flowers in March; 2 ft. Each, \$2.50.

**HOLLY (Ilex).** Berry bearing plants; per ft., \$1.00; nice plants, \$2.50 to \$6.00; ordinary stock, per ft., 75c; nice plants, \$1.50 to \$3.00.

**Golden Margined.** Leaves splashed with pale green, narrow, but irregular, golden edge. Ft., \$1.00.

**Silver Margined.** Leaves long, dark green, slightly mottled and with an irregular, narrowish silvery margin. Per ft., \$1.00 to \$1.50.

**JUNIPER, COMPACTA.** A dense, green, ever-growing shrub; may be trimmed into most any shape; grows about 6 to 7 ft. high; \$1.00 to \$5.00.

**IRISH.** A distinct and beautiful variety of erect, dense, conical outline and upright growth; short, glaucous green foliage; \$1.50 to \$5.00.

**LAUREL (English).** Single plants, 1 to 1½ ft., each, 60c; 2 to 3 ft., \$1.00; 4 to 6 ft., \$1.50 to \$2.50.

Write for prices in quantity for hedges.

**LAURUSTINUS.** 1 to 2 ft. and up, 60c to \$1.50.

**PINE.** Australian or Black Pine; 2 to 3 ft. Each, \$1.50 to \$3.00.

Our seeds are the highest grade. Our prices are always in keeping with the quality



**RETINOSPORA (Plumosa Aurea).** A most beautiful variety, greenish golden yellow all through the year; compact; make the most beautiful show of any evergreen. 1½ to 2 ft., \$1.50; 3 to 4 ft., \$3.00 each.

**YEW (Irish).** (*Taxus Hibernica*). Upright in form, foliage deep green; very compact; one of the most wonderful evergreens for lawns or groups. 1½ ft., \$1.00; 2 ft., \$1.50; 2 to 3 ft., \$3.50.

**SPRUCE (Colorado Blue).** No evergreen can excel the true blue Spruce. It is very hardy and will grow where other evergreens will fail. 1 to 1½ ft., \$1.50; 1½ to 2 ft., \$2.50; specimens, \$5.00 and \$10.00 each.

**EAY TREES.** The most beautiful plant grown. Standards and pyramids, \$7.50 to \$20.00 each.

**BOX TREES.** The most hardy and also the most beautiful lawn trees grown. We import carloads of them and other trees from Holland and have them in all shapes and sizes. Standards, 2 to 5 ft., 19 to 30 inch crown, \$3.50 to \$10.00 each; \$6.00 to \$18.00 per pair.

**BOX PYRAMIDS.** 1½ to 2 ft., \$2.50 each; 2 to 2½ ft., \$3.50 each; 2½ to 3 ft., \$5.00 to \$7.50 each.

**BOX PYRAMIDS.** Untrimmed, 1 to 4 ft., at \$1.50 to \$10.00 each.

Small Box for hedging, \$4.00 per 100.

**CATONEASTER (Trailing).** A trailing evergreen shrub; round, thick, dark green leaves; flower pinkish white and after the blossom it is covered with bright red berries. Fine for rockeries. 35c to 75c each.

### HEDGE PLANTS

**BOX (Evergreen), DWARF, COMMON.** Fine for borders, edgings or low hedges; 6-inch, each, 15c; per 100, \$10.00; large stock, trimmed bushes, each, 1 ft., \$1.00; 2 or 3 ft., \$2.00.

**PRIVET (Evergreen).** Our best hedge plants; 3-year-old plants, 1½ to 2 ft., each, 10c; per 50, \$2.50; per 100, \$5.00.

### FLOWERY SHRUBBERY HYDRANGEAS

**PANTICULATA GRANDIFLORA.** This is a grand shrub, easily grown, very showy and attractive, lasting in bloom for months. It is perfectly hardy everywhere and is, without any question, the finest hardy shrub in cultivation. It grows 3 or 4 feet high, is very bushy and compact. Blooms in July, at a time when no other shrub is in flower. The flowers are pure white, afterwards changing to pink, and remain beautiful until destroyed by frost. Each, 50c.

**HORTENSIA BLUE.** The Japanese Blue Hydrangea, always in great demand for lawn-planting around Seattle, where its immense pyramids of blue flowers may be seen all summer long. Large two-year-old plants, each, 75c.

### ALTHEA OR ROSE OF SHARON (Hibiscus Syriacus)

The Altheas are free growing shrubs with various colors, usually double flowers, much sought after because of their blooming in August and September. Excellent for general use. Each, 60c.



### SPIREAS

Graceful shrubs every one should plant. They are of the easiest culture, and very desirable in collections, for they embrace such range of foliage, color of flowers and habit of growth.

**ANTHONY WATERER.** Covered nearly the whole growing season with large umbels of deep crimson flowers, which measure nearly a foot across. When scarcely three inches high it begins to bloom, and thereafter is seldom out of flowers. As a pot plant or for growing in the open ground nothing can equal it. Perfectly hardy. Each, 50c.

**PRUNIFOLIA (Bridal Wreath).** Slender erect growing variety, having beautiful colored foliage and bearing very early in the spring small double white flowers the entire length of its branches. Very graceful habit. Each 50c.

**VAN HOUTTE.** The grandest of all the Spireas. It is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. Perfectly hardy and an early bloomer. Each, 50c.

**PURPLE BARBERRY.** A pretty purple leaf shrub, bearing an abundance of yellow flowers in the spring. Each, 50c and 60c.

### BROOM

**BROOM (Genista).** Scotch Broom, very rapid growing; flowers bright yellow. Each, 25c and 50c.

**WHITE BLOOM.** Flowers are white, blooms profusely in spring. Each, 50c and 75c.

**RED BROOM (New).** Flowers red and yellow, stems a reddish color; very fine. Each, \$1.00.

### DEUTZIAS

Small-flowered shrubs noted for their freedom of bloom and rapid growth. Through their blooming season entire limbs are thickly studded with flowers.

**GRACILLIS.** A low-growing, compact, bushy shrub, perfectly hardy; blooms early in spring; covered all over with pure white, bell-shaped flowers. Each, 50c.



### JAPAN SNOWBALL

**JAPAN SNOWBALL** (Var. *plicatum*). One of the best ornamental shrubs, similar in habit to the preceding. It bears abundant white balls of bloom, that have a beautiful setting in the deep green leaves. When a single specimen is wanted there is nothing more attractive. Each, 75c; 10, \$6.00.

**OLD-FASHIONED SNOWBALL** (var. *sterile*). The old-fashioned Snowball that grows almost anywhere and always flowers so abundantly. Each, 75c; 10, \$5.00.

**JAPANESE DOGWOOD**. A small ornamental shrub with pinkish flowers in summer. Each, 75c.

**EUONYMUS, GOLDEN**. A very fine evergreen shrub with golden variegated foliage; one of the prettiest shrubs for lawns or groups. Each, 75c and \$1.00.

**VERONICA** (Varigate). A silver leaved evergreen shrub, with a long feathery foliage; very showy in groups or rockery. Each, 50c and 75c.

**LILAC**. No place is complete without a lilac. Purple lilacs, 25c, 50c and 75c each; white lilacs, 50c, 75c and \$1.00 each; red lilacs, \$1.00 and \$1.50 each.

**JAPAN QUINCE**. Bright, scarlet flowers in great profusion. Fine, bright green foliage; very hardy. Each, 50c and 75c.

**PURPLE FRINGE OR SMOKE TREE**. A very pretty shrub for lawns. Each, 50c.

### WEIGELIAS

**EVA RATKE**. One of the most charming shrubs in cultivation. Cannot be too highly recommended. Lovely large blood-red flowers, borne in such profusion that the whole bush appears a mass of rosy bloom. Each, 75c.

**ROSEA VARIEGATA**. Leaves beautifully margined, creamy white. Handsome pink flowers in wonderful profusion. Each, 50c to 75c.

**ROSEA**. Lovely large, rose-colored flowers, borne in such profusion that the whole bush appears a mass of rosy bloom. Strong two-year-old plants, 50c.

### AZALEAS

**NAZALEA MOLLIS**. We import them by the thousand from Holland and Japan. No flowering shrub makes as beautiful a show as the Azalea in early spring and summer. Colors, red, pink, salmon, yellow, orange; plants full of buds. Each, 75c to \$1.25.

**AZALEA PONTICA**. Colors same as above. All our Azaleas are named varieties and extra choice. Each, 75c to \$1.25.



### WASHINGTON STATE FLOWER.

**RHODODENDRON**. Grafted varieties, magnificent June and July flowering, evergreen shrubs, the finest and most hardy of all evergreens; they prefer a somewhat shady situation. There are many varieties, the flowers of which are produced in great abundance, and in shades of the following colors: White, blue, purple, cherry, lilac, mauve and crimson. Choice plants, 1½ to 2 feet, and according to number of buds; 8 to 20 buds, \$1.25 to \$2.50 each. Special prices on large orders.





BUERRE DE ANJOU PEAR

## Fruit Trees, Small Fruits, Grape-Vines, Strawberries, Etc.

**D**O you know the secret of growing big crops of large, luscious fruit? To be successful you must, above all things, start right. Get large, strong, healthy, standard-sized stock. This applies to small fruits, just as much as it does to Apple, Cherry, Peach, Pear and Plum Trees, etc. Our principal stocks of fruit trees, small fruits, etc., embrace only those varieties which have been well proved, and can be recommended as the best now in cultivation. We cannot attempt to give complete directions on all points connected with tree planting, but simply a few hints on the more important operations. Transplanting to be considered under the following heads:

**1st. The Preparation of the Soil.** For fruit trees soil should be dry, either natural or made so by thorough drainage, as they will not live or thrive on a soil constantly saturated with stagnant moisture. It should also be well prepared. On new, fresh lands, manuring will be unnecessary, but on land exhausted by cropping fertilizers must be applied, either by turning in heavy crops of clover, or well decomposed manure or compost. To insure a good growth of fruit trees, land should be in as good condition as for a crop of wheat, corn or potatoes.

**2nd. The Preparation of the Trees.** In regard to this important operation, there are more fatal errors committed than in any other. As a general thing trees are planted in the ground precisely as they are sent from the nursery. In moving a tree, no matter how carefully it may be done, a portion of the roots are broken and destroyed and consequently the balance that existed in the structure of the tree deranged. This must be restored by proper pruning, adapted to the size, form and condition of the tree as follows:

**STANDARD ORCHARD TREES.** These, as sent from the nursery, vary from 4 to 6 feet in height, with naked stems or trunks and a number of branches at the top forming a head. These branches should all be cut back to within three or four buds of their base. This lessens the demand upon the roots, and enables the remaining buds to push with vigor. Cut off smoothly all bruised or broken roots up to the sound wood. In case of older trees of extra size, the pruning must be in proportion; as a general thing it will be safe to shorten all the previous year's shoots to three or four buds at their base, and where the branches are very numerous some may be cut entirely.

**3rd. Staking.** If trees are tall and much exposed to the wind, a stake should be planted with the tree to which it should be tied in such a manner as to avoid chafing. A piece of matting or cloth may be put between the tree and the stake.

**4th. Mulching.** When the tree is planted, throw around it as far as the roots extend, and a foot beyond, five or six inches deep, rough manure or litter. This is particularly necessary in dry ground, and is highly advantageous everywhere, both in spring and fall planting. It prevents the ground from baking or cracking, and maintains an equal temperature about the roots.

**5th. After-Culture.** The grass should not be allowed to grow around young trees after being planted, as it stunts their growth. The ground should be kept loose and clean around them until, at least, they are of bearing size.

We will gladly furnish you samples of grass if asked for.



# APPLES



Two-year-old, each, 35c; 10, \$2.00; 100, \$18.00.  
Select, 2 to 3 years old, each, 50c; 10, \$4.00;  
100, \$30.00.

## SUMMER VARIETIES

**RED ASTRACHAN.** Large, deep crimson, flesh white, moderately juicy with an agreeable rich acid flavor; very productive.

**RED JUNE.** Medium, oblong, deep red; excellent for table use; one of the best early apples.

**YELLOW TRANSPARENT.** Medium size, roundish, slightly conical; skin pale yellow; flesh tender, juicy, sub-acid; good.

## AUTUMN VARIETIES

**FRAMEUSE (Snow Apple).** Medium, roundish; greenish yellow, with streaks of deep red on sunny side; flesh remarkably white; very juicy.

**GRAVENSTEIN.** Large, beautifully dashed with deep red orange; tender and crisp, with a highly aromatic flavor; tree very vigorous.

## WINTER VARIETIES

**ARKANSAS BLACK.** Deep velvety red; juicy and well flavored.

**BALDWIN.** Large, rounded; deep bright red; very productive; one of the best and most popular winter apples.

**DELICIOUS.** Red shaded, yellow, and as the name implies.

**DUTCHESS.** A fine late variety; does well.

**GOLDEN RUSSET.** Medium, dull russet, with a tinge of red; flesh crisp, juicy and highly flavored.

**GRIMES GOLDEN.** Yellow late apple; a good keeper.

**JONATHAN.** Medium, conical; brilliant, covered with red stripes; tender and juicy; excellent for table or market.

**KING OF TOMPKINS COUNTY.** Very large, globular; yellowish, shaded with red; flesh yellow, rather coarse, juicy; rich flavor.

**NORTHERN SPY.** Large, round, greenish yellow, stripes of purplish red; flesh white, juicy, brisk sub-acid; valuable for market and cooking.

**RHODE ISLAND GREENING.** Large, greenish yellow; flesh yellow, fine grained, tender, crisp, juicy and aromatic; excellent for cooking and table.

**ROMAN BEAUTY.** Large red apple, deep colored; a fine tasting one.

**SPITZENBERG.** Large, oblong; yellowish ground with broken stripes of bright red; flesh yellow, juicy with a delicious rich flavor.

**WAGNER.** A good keeping late variety; one of the best for this locality.

**WINTER BANANA.** Winter; yellow, bluish cheek; sub-acid; medium size.

**WEALTHY.** Medium, whitish yellow, shaded with deep red; flesh white, tender and juicy.

**WINESAP.** Medium; yellow ground, streaked with red; flesh yellow, with rich, high flavor; excellent for table and making cider.

**YELLOW BELLFLOWER.** Deep, yellow, highly flavored.

**YELLOW NEWTON PIPPIN.** Large, skin smooth, golden yellow; flesh firm, crisp, juicy; one of the standard varieties.

## CRAB APPLES

**FLORENCE HYSLOP.** Yellow and red Siberian and Transcendant. Each, 35c.

Our experience has taught us who grows the best seeds, and we have them. grow ours

## APRICOTS

**MOORPARK.** Very large, yellowish green, brownish red on sunny side; flesh bright orange; fine for canning and drying, freestone. Each, 50c to 75c.

**ROYAL.** Above medium size; sweet, rich and juicy. Each, 50c to 75c.

**BLLENHEIM.** Extra fine; new. \$1.00.

**ROYAL ANN.** Sweet; light red; June and July.

## PEARS

Two-year-old. Each, 50c.

Select, 2 or 3 year old stock. Each, 75c to \$1.00.

## SUMMER VARIETIES

**BARTLETT, CLAPP'S FAVORITE, SECKEL.**

## FALL AND WINTER VARIETIES

**BEURRE CLAIRGEAU.** Large, yellow, shaded with orange and crimson; covered with russet dots; flesh yellowish, buttery, juicy.

**FALL BUTTER.** A favorite fall pear; yellow, sweet and juicy.

**LOUISE BONNE DE JERSEY.** Large, greenish yellow; brownish red in the sun, marked with gray dots; flesh juicy, melting; very prolific.

**BOSE.** A new style of fall and winter pear. Fine color and shape. It keeps the best of any pear we know.

**BEURRE D'ANJOU.** Large, handsome, fine flavor; tree vigorous; heavy bearer; keeps until Christmas. September.

**WINTER NELLIS.**

**WINTER BARTLETT.** Price, each, 75c.

## PLUMS

Two-year-old, each, 35c; 10, \$3.00; 100, \$25.00. Select, 2 to 3 years old, each, 50c to 75c.

**BRADSHOW.** Reddish purple, juicy and pleasant; adheres partially to the stone.

**COLUMBIA.** Large size, nearly globular; brownish purple; rich, sugary, freestone.

**DAMSON.** Small, oval; skin purple; flesh melting, rather tart.

**GREEN GAGE.** Small, round; flesh pale green, melting and juicy; freestone.

**PEACH.** Very large; skin brownish red, slightly coarse grained but juicy; freestone; very popular.

**REINE CLAUDE.** One of the best foreign varieties and of fine flavor; roundish oval; greenish, marked with red in the sun.

**YELLOW EGG.** Very large; skin of a deep golden color, but rather acid; excellent for cooking; very showy.

## PEACHES

Two-year-old, each, 35c to 50c.

**EARLY CRAWFORD.** Very large yellow, with red cheek; flesh sweet and excellent; our most popular peach for table and canning; freestone.

**LATE CRAWFORD.** Same as above but later; good keeper.

**ELBERTA.** Very large, bright, yellow, red cheek; flesh yellow, juicy, sweet, regular bearer; fruit very showy and perfect; freestone.

## PRUNES

**HUNGARIAN, ITALIAN (Flenberg), PETITE (French), SILVER, SUGAR (New).** Select 2 to 3 years old, each, 35c; 10, \$2.50; 100, \$20.00.

Select, 2 to 3 years old, each, 50c to 75c.

## QUINCE

**CHAMPION, ORANGE.**

Two-year-old, each, 75c; 10, \$6.00.

## CHERRIES

Two-year-old, each, 50c; 10, \$4.00; 100, \$35.00. Select, 2 to 3 years old, each, 75c to \$1.00.

**BING.** Originated in Oregon, from seed of Black Republican; fruit large, dark brown or black; very fine; late; a good shipping variety.

**KENTISH.** Best acid cherries and unsurpassed for cooking purposes; very productive.

**LAMBERT.** Fruit of largest size and of fine quality; color deep, rich red; flesh firm and of fine flavor; a fine market variety; ripens two weeks later than Royal Anne.

**MAY DUKE.** Large, rich, dark red; flesh tender, juicy and sub-acid; an excellent variety and one of the earliest of its class.

**BLACK REPUBLICAN.** Very early; fine flavor, and good producer.

**BLACK TARTARIAN.** Late, large, black; good seller; fine growing tree.

**EARLY RICHMOND.** The finest sour pie cherry grown.

**ENGLISH MORELLO.** The old flavored English pie cherry; best for preserves.





### GOOSEBERRIES

Two years old, each, 10c; 10, 75c; 100, \$6.00.  
Large, selected bushes, each, 25c.

**OREGON CHAMPION.** Berries very large, pale green color; very sweet and fine for table use and pies; bush strong, not very thorny; very prolific bearer; most popular sort we have.

**RED JACKET JOSSELYN.** Of large size, smooth, prolific and hardy; of best quality; a wonderful cropper, with bright, clean, healthy foliage. Prices, each, 25c; per 10, \$2.00.

**INDUSTRY.** Large oval; dark red, hairy, rich and agreeable; vigorous and productive. Prices, each, 30c; per 10, \$2.50.

**PEARL.** Very large yellowish green. One of the finest European berries. For eating ripe they are delicious. No garden should be without a few bushes. Each, 25c; 10 for \$1.50.

### BURBANK'S PHENOMENAL

**A NEW BERRY.** Mr. Burbank's latest triumph. It is a cross between the "Improved Californa Dewberry" and the "Cuthbert Raspberry." Takes its color and flavor from the latter and size and shape from the former. Prices: Two years old, 25c each; \$2.00 per 10; \$15.00 per 100.

### LOGANBERRY

(Raspberry-Blackberry.)

This comparatively new berry is becoming more popular each year. An exceedingly strong grower and an enormous bearer. Prices: Two years old, 15c each; \$1.25 per 10; \$10.00 per 100.

One year old (tips), 10c each; \$1.00 per 10; \$7.50 per 100.

### CURRANTS

Two-year-old, each, 15c; 10, \$1.25; 100, \$10.00.  
One-year-old, each, 10c; 10, 75c; 100, \$6.00.  
Extra large selected bushes, each, 25c.

**FAY'S PROLIFIC.** A new currant which has well sustained the claims of its disseminator; it is larger than the cherry, has less acid and is much more prolific.

**VICTORIA.** Large, bright red bunches, very long; an erect grower, late, productive and very valuable.

**NEW VARIETIES.** Perfection, each, 50c; doz., \$4.50.

**BLACK NAPLES.** Very large, black; valuable for jams and jellies.

**CHERRY.** Very large; deep red; fine for preserving; valuable market variety.

**WHITE GRAPE.**



We like to hear the results you obtain from our seeds. Write us





### RASPBERRIES

**GREGG (Black).** Best late blackcap, market favorite. Canes strong, productive; berries large, covered with bloom; firm, meaty and fine flavor. Per doz., 60c; 100, \$5.00.

**CUTHBERT, OR QUEEN OF THE MARKET.** A remarkably strong, hardy red variety. Berries large, conical, rich crimson; flavor sweet, rich and delicious. Doz., 60c; 100, \$4.00.

**MARLBORO.** Fruit of largest size, bright scarlet, excellent flavor. Good shipper, heavy canes, early and hardy. Doz., 75c; per 100, \$6.00.

**SUPERLATIVE.** A comparatively new red berry, probably the largest and best grown. Fruit large and solid, core small, quality extra; very productive. Doz., \$1.50.

We also supply other varieties, such as Kansas, Red Antwerp, etc. Doz., 50c; 100, \$4.00.

### GRAPES .

Extra large and strong roots, 25c each; per doz., \$2.00.

**CONCORD.** Large, purple, bright bunches, very long; an erect grower; late, productive and very valuable.

**MOORE'S DIAMOND.**

**MOORE'S EARLY.** Bunch medium; berry large, resembling Concord, but more pulp, and is earlier.

### ASPARAGUS

**CULTIVATION.** See that the ground is well drained, work it up fine and deep and make it very rich with fertilizer or barnyard manure. Place the plants eight inches apart in rows three feet apart. Spread out the roots in a trench made deep enough to permit their crowns to be covered with three or four inches of mellow earth. Give the bed liberal dressings of fertilizer at intervals, and, except near the sets, three pounds of salt per square yard early every spring. Do not cut for use until the plants have grown two seasons.

We can supply Connover's Colossal, Palmetto and Columbia Mammoth White.

**TWO-YEAR-OLD PLANTS.** Postpaid, 40c dozen; \$1.00 per 50; \$1.50 per 100. By express or freight, 25c dozen; 75c per 50; \$1.00 per 100; \$8.00 per 1000.

### BLACKBERRIES

**LAWTON.** Each, 10c; per 10, 75c; per 100, \$6.00.

**KITTATINNY.** Each, 10c; per 10, 75c; per 100, \$6.00.

**EVERGREEN.** Price, each, 15c; per 10, \$1.25; per 100, \$8.00.

**NEW MAMMOTH.** New variety; are very choice. Two years old, each, 25c; 10 for \$2.00.

**HIMALAYA, OR EVER BEARING.** Each, 25c; 10 for \$2.00.



## Model Standard Incubators



**O**UR "Standard" Incubators are known throughout the world as the "Incubators of Quality." In addition to being the only incubators built of Hardwood (made of high-grade Chestnut) they possess double walls and tops, thoroughly insulated and packed; doors of double glass; metal heater with heavy asbestos jacket; new 1912 lamp support; and are equipped with Essex Corrugated Thermostat (patented), the most sensitive and quickest-acting Heat Regulator made.

Compare the Egg Capacity and Prices of these machines with any other make of High-Grade Incubators, and you will find that in addition to their Superiority they are also in size the greatest value for your money.

They combine in the highest degree **STRENGTH, DURABILITY, FINISH AND HATCHABILITY.**

**C**OMPLETE with Lamp, Thermometer and Egg Tester. No extras for you to buy. Acknowledged as America's Leader in Artificial Incubation. Used and recommended by Government and State Experiment Stations and by leading fanciers and large commercial poultry and duck plants throughout the country.

No. 0—Holds 100 eggs.	Price-----	\$18.00
No. 1—Holds 175 eggs.	Price-----	\$23.00
No. 2—Holds 275 eggs.	Price-----	\$32.00
No. 3—Holds 410 eggs.	Price-----	\$37.00
No. 4—Holds 324 duck eggs.	Price-----	\$43.00

### MIDDLE-PRICED MODEL INCUBATORS FOR 1916

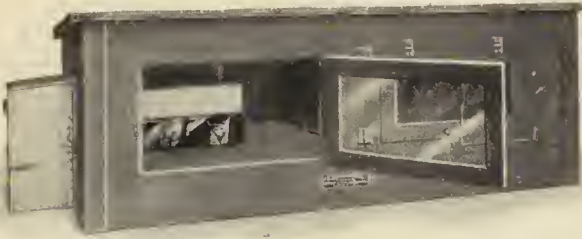
**T**HIS is our new line of MIDDLE-PRICE Incubators for those earnest poultry keepers who want nothing but a reliable Hatcher, but who prefer not to invest the amount required by the purchase of our higher-priced, more highly finished "Standard" Machine that is made of Hardwood throughout. These MIDDLE-PRICE Incubators have become quite popular, because, while they are comparatively low in price they are high in quality. Substantially constructed of pine, with fine "Mission" finish, possessing double insulated walls and top; and equipped with Heater, Thermostat, Lamp Support, similar to those in our "Standard" Machines described on the opposite page. They are without doubt leaders among low-priced Incubators—the best on earth for the money—and they are guaranteed.

Compare the prices of these Incubators with those asked for any other high-grade machine holding as many eggs, and you will find that our MIDDLE-PRICE machines cost less by about one-half—and they do better work. In other words, They are Worth More, but Cost Less.

We are overstocked on these sizes and will make the following **SPECIAL PRICES:**

No. A—Holds 70 eggs.	Price-----	\$6.50	} Less
No. B—Holds 120 eggs.	Price-----	\$9.00	
No. C—Holds 200 eggs.	Price-----	\$16.00	
			10%

**We want your business and will endeavor to please you**

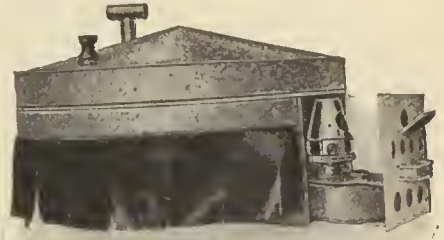


**MODEL C OUTDOOR COLONY BROODER AND ROOST COOP.** America's Original "Colony" Brooder with all improvements. Triple roof with double insulation, making five thicknesses over nursery; also double walls with insulation, making triple walls in exercise chamber. The best brooder on earth. Price, \$10.00.

Model A, size  $47\frac{1}{2} \times 28\frac{1}{4}$  inches, for 75 to 100 chicks. Price, \$5.00.

Model B,  $58\frac{1}{4} \times 34\frac{1}{4}$  inches, for 100 to 125 chicks. Price \$7.00.

We offer special prices if purchased with an incubator.



### ESSEX MODEL CHICK COMFORT HOVER

It is the latest in portable hovers and one that the Western Washington Experiment Station recommends very highly. It comes complete with thermometer, and ready for operation, with no extras to buy. Price \$8.50.

### COAL BURNING HOVER

Hovers 300 to 2500 chicks.

**PRICE \$12.50**

Send for catalog.

## Poultry Supplies



Wall Fount



Drinking Fount



Galvanized Grit and Shell Box



**WALL FOUNT.** 1-qt., each, 30c; 1-gal., each, 60c; 2-gal., each, 75c. Less 10% orders for six.

**DRINKING FOUNT.** Chick size, 20c; medium size, 25c; large size, for mature fowls, 40c.

Galvanized, bucket shape, 12-qt., each, 75c.

**ECONOMY FEEDER.** Each, 25c.

**GALVANIZED GRIT AND SHELL BOX.** Small size, 3-compartment, 60c; large size, 2-compartment, 75c. Especially good for dry feeding.

**POULTRY PUNCH.** All steel, nickel plated. Punches clean holes. Will not bruise foot. Each, 25c.

**WIRE HENS' NESTS.** Extra heavy. Each, 20c.

### INCUBATOR EXTRAS

Lamp Bowls, No. 1, for 0, 1, A, B. Each, 50c.

Lamp Bowls, No. 2, for 2, 3, 4 C. Each 75c.

Burners for No. 1 Bowl. Each, 35c.

Burners for No. 2 Bowl. Each, 50c.

Chimneys for Lamp Bowls. Each, 25c.

Wicks, any size, per doz., 20c.

### POULTRY FEED

We carry a complete stock of the highest grade. Market prices at all times. Write when in the market.

Many failures are caused by planting too early



# POULTRY SUPPLIES

We carry a complete line of Conkey's International, Pratt's Model, Lambert's and Lee's poultry remedies and tonics, as listed below.



Don't  
Worry!  
Conkey  
Will Cure  
Me

## Conkeys' Poultry Remedies

We carry a good stock on hand at all times. We sell every Conkey remedy on plain guarantee of your money back if treatment does not satisfy you in every way.

Black Head Remedy	-----	\$0.50 size
Bronchitis Remedy	-----	.50 size
Cholera Remedy, 25c and	-----	.50 size
Chickenpox Remedy	-----	.50 size
Gape Remedy	-----	.25 size
Head Lice Ointment, 10c and	-----	.25 size
Limber Neck	-----	.50 size
Laxative	-----	.25 size
Lice Liquid, 35c, 60c and	-----	1.00 size
Rheumatic	-----	.50 size
Lice Powder, 25c, 50c and	-----	1.00 size
Lice Liquid, 35c, 60c and	-----	1.00 size
Rheumatic	-----	.50 size
Scaly Leg, 25c and	-----	.50 size
Tonic	-----	.25 size
Worm Remedy	-----	.50 size
White Diarrhoea, 25c and	-----	.50 size
Laying Tonic, 25c, 50c and	-----	1.00 size
Laying Tonic, pails, \$1.50 and	-----	3.00 size
Fly Knocker, 35c, 60c and	-----	1.00 size
Nox-i-cide, a wonderful disinfectant; mixes with water; handy and cheap to use. 35c and 60c sizes.		

### PRATT'S

A favorite all the world over and a line of goods that can't be beat.

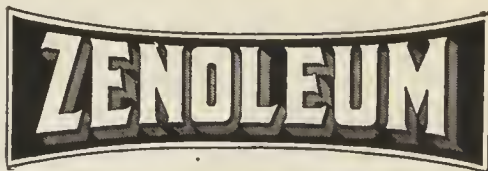
Roup Cure, 25c and	-----	\$0.50 size
White Diarrhoea	-----	.25 size
Regulator, 25c, 50c and	-----	1.00 size
Regulator, pails, \$1.25 and	-----	2.50
Liquid Lice Killer, 35c and	-----	.60 size

### LAMBERT'S

Lice Powder	-----	.25c
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### LEE'S

Germozone (finest antiseptic)	-----	\$0.50 size
Lice Killer, 35c and	-----	1.00 size
Chick Grower	-----	.25 size
Carbolineum, 35c, 60c and	-----	1.00 size
Standard Fly Killer, ½-gal. 50c; gal.	-----	1.00
French's Poultry Mustard, pkg.	-----	.35



## ZENOLEUM DISINFECTANT AND ANIMAL DIP

Zenoleum is a concentrated solution of coal-tar. It mixes with hot or cold water, making a perfect emulsion that requires no boiling or stirring. It will penetrate deeper and more rapidly than any other disinfectant.

Every individual who owns a horse, cow, hog, sheep, chicken or dog, has use of Zenoleum.

**It Kills Lice, Destroys Mites, and It Heals Wounds**

There are forty-six of the forty-eight experimental stations in America who buy, use and endorse Zenoleum. Isn't that proof. Sold in 8-oz. can, 25c; quart, 50c; ½ gal., 90c; gal., \$1.50.

### ZENOLEUM LICE POWDER

It destroys lice on poultry, destroys mites, removes fleas from dogs and lice from horses and cattle. Can, 35c.

### MODEL

This brand is manufactured by the Essex Incubator Company and there is no better on the market.

Roup Cure, 25c and	-----	\$0.50 size
White Diarrhoea	-----	.25 size
Cholera	-----	.50 size
Head Lice Ointment	-----	.25 size
Chickenpox Ointment	-----	.25 size
Scaly Leg Ointment	-----	.25 size
Liquid Lice Spray, 35c, 60c and	-----	1.00 size
Powder Lice Killer, 10c, 25c and	-----	.50 size
Egg Maker	-----	.25 size
Nutrine Chick Salts, 50c and	-----	1.00 size

### INTERNATIONAL

Poultry Food, 25c, 50c and	-----	\$1.00 size
Poultry Food, pails, \$1.00 and	-----	2.75 size
Louse Killer	-----	.25 size
Louse Paint, finest spray	-----	.75 size
Pheno Cholera Disinfectant	-----	.50 size

### STOCK REMEDIES—INTERNATIONAL

Hog Worm Remedy	-----	\$1.00
Stock Worm Powders	-----	.50
Distemper Remedy	-----	.50
Heave Remedy	-----	.50
Hoof Remedy	-----	.50
Hoof Ointment	-----	.50
Gall Cure, 25c and	-----	.50
Colic Cure, 50c and	-----	1.00
Dan Patch White Liniment	-----	.50
Stock Food, 25c, 50c and	-----	1.00

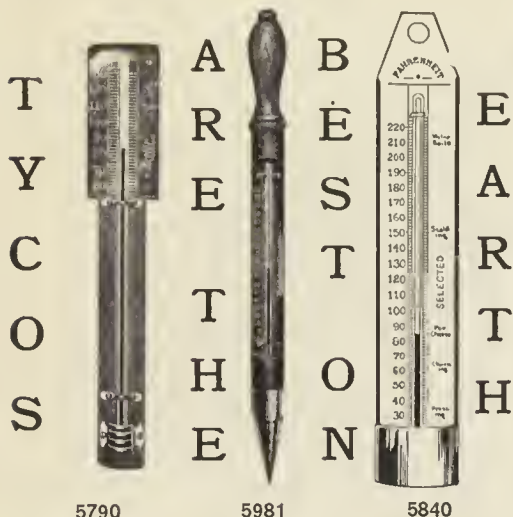
### PRATT'S

Cow Tonic	-----	\$0.50
Calf Tonic	-----	.50
Animal Regulator	-----	.25
Hog Worm Powder	-----	.50
Cow Kure, 50c and	-----	1.00

We want your business and will endeavor to please you

# TYCOS THERMOMETER

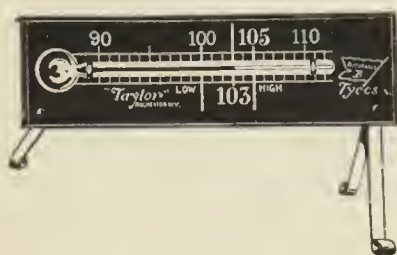
The reputation and guarantee is backed by sixty years' standing by the trade mark of Tycos.



No. 5740. **SELECTED GRADE DAIRY.** Nickered, brass scales, figures and graduation. White back mercury tube. Range 20° to 220°.

No. 5981. **HOTBED THERMOMETER.** Wood frame, with handle; brass pointed ferrule; magnifying mercury tube. Range 20° to 160°. This thermometer is made especially for mushroom growers. Each, \$2.00.

No. 5790. **BROODER THERMOMETER.** If you want to keep your chickens after they are hatched use a good thermometer, and Tycos are the best. Each, 75c.



No. 5770. **THE STANDARD INCUBATOR THERMOMETER,** with adjusted brass legs. One of the greatest necessities of a successful hatch is a thermometer that you can depend on. The Tycos are all thoroughly tested before sent out. Each, 75c.

Use our Sweet Pea Fertilizer. It will produce wonderful results



No. 5796. **TYCOS INCUBATOR HYGROMETER.** Black oxidized brass scale, white filled figures and graduations; glass cistern; silk wick. Complete directions with each instrument. Each, \$1.50.

## Leg Bands



### DOUBLE CLINCH LEG BAND

Three sizes, consecutively numbered 1 to 1,000. Dozen, 15c; 25 for 25c; 100 for 65c.



### LEADER ADJUSTABLE BAND

Very easy to put on. Two sizes, consecutively numbered, 1 to 1,000. Dozen, 15c; 25 for 25c; 100 for 65c.

### SMITH SEALED BANDS

Very extensively used. Never come off. Dozen, 30c; 25 for 50c; 100 for \$1.50.

### OPEN CHICK BANDS

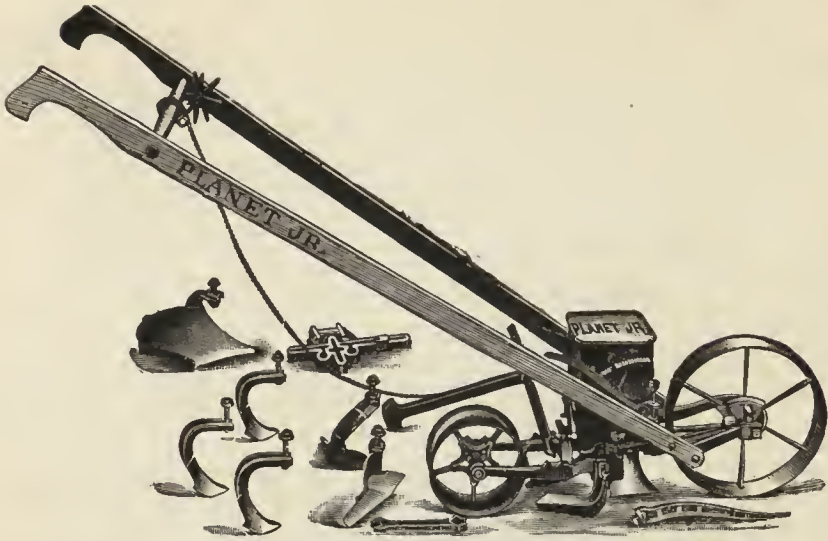
Dozen, 15c; 25 for 25c; 100 for 65c.

### CELLULOID BAND

Four sizes in four different colors. Will assort. Chick, dozen, 15c; growing chick, dozen, 20c; Leghorn size, dozen, 20c; larger and for cockerel, dozen, 25c.

**WE ARE AGENTS  
FOR  
ROOT'S BEE SUPPLIES**  
and Carry a Full Line

If you are interested in bees write for our 64-page complete catalog, as our space here will not permit listing in detail the full stock. We can save you considerable by ordering from us.



#### NO. 4 PLANET JR. DRILL COMPLETE

We carry a complete line of Planet Jr. implements and list below a few of the favorites, but can furnish you with any listed in our complete catalog of the line which we will send you upon request. Can also supply you with any of the extra parts you may need.

**NO. 4.** This is a combined seeder and cultivator. What it will do. It will sow all garden seed in rows, will drop in hills, 4, 6, 8, 12 and 24 inches and at the same time mark the next row. An admirable single wheel hoe, a splendid cultivator, a rapid and efficient garden plow. Price, \$12.00.

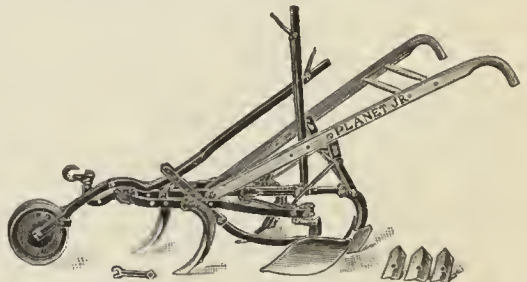
**NO. 25.** This resembles a No. 4 only that it is a two wheel cultivator and easier to operate. It is especially adapted for gardeners planting large quantities of onion seed. Price, \$14.50.

**NO. 36.** A single wheel hoe cultivator and plow. It is equipped with a high steel wheel which makes it very easy to operate, and is one of the most satisfactory of the Planet Jr. tools. Price, \$7.00.

**NO. 12.** A double wheel hoe which can be adjusted to hoe or rake 6 to 10 inch rows or one row up to 20 inches apart. It is equipped with cultivators, rakes and hoes and will open or close a furrow. This tool will pay for itself in one season even though you only have a small tract. Price, \$7.85.

**NO. 17.** A single wheel hoe, which will do most of the work a double wheel will do except it works mostly between the rows. The frame is made of steel and is practically indestructible. It is a great variety of tools which adapt the implement to a great variety of work. Price, \$5.75.

**NO. 19.** A farmer's single wheel hoe cultivator and plow. A high wheel garden tool that does very good work and is quite inexpensive. Price, \$4.25.



**NO. 9 PLANET JR. HORSE HOE.** This tool has become very popular because of its strength and lightness, easy change of width. The handles are adjustable in height and also sideways. One can cultivate to any reasonable depth desired, and adjust for any width from 10 to 25 inches. Price, \$9.00.

**PLANET JR. TWELVE TOOTH HARROW, CULTIVATOR AND PULVERIZER.** This tool is all of these and more, too. It is especially good for strawberries. Price, \$10.50.

**NO. 48 DOUBLE WHEEL GARDEN CULTIVATOR.** Has a new device for expanding and closing, which permits the operator to set the machine instantly to any desired width. Price, with 6 reversible points, weed cutters, right and left hand plows, leaf guards and rakes, each, \$7.40.

**NO. 46.** A single wheel hoe which resembles the No. 17, except that the frame is of wood. Each, \$5.50.

**NO. 109.** A combined garden seeder. This is like the No. 25, except of lighter material. Does very good work. Price, \$13.50.

Vegetable plants can be sent by mail. We guarantee good delivery



## Garden Tools and Supplies

### NORCROSS ADJUSTABLE CULTIVATOR HOE

Weight, 2 lbs.  
4-foot Handle



Works between the narrowest rows, or by removing center tooth row can be straddled. Superior to the common hoe, being light and easy working. It is a great favorite with women who garden. Price, each, 75c.

We aim to carry a full line of the better grade of garden tools, such as Rakes, steel bow, from 25c to 75c. Hoes, from 50c to 75c.

Shovels, from 75c to \$1.25.

Forks, from 75c to \$1.25.

Weed Cutters, each, 75c.

Child's Sets, each, 25c.

Lady's Sets, each, \$1.50.

**GARDEN TROWELS.** We carry a number of different styles, ranging in price from 10c to 75c.

**PRUNING SHEARS,** from 60c to \$1.50, each.

**HEDGE SHEARS,** \$1.75, \$2.00 and \$2.25.

**TREE PRUNERS,** \$1.25, \$1.50, \$1.75.

**GRASS SHEARS,** 35c, 50c, 60c pair.

**LAWN MOWERS.** We carry the great American Mower.

**RUBBER HOSE.** Our stock is complete.

**GARDEN GLOVES.** Ladies' size. 3 pairs, 25c. Men's size, 3 pairs, 25c.

**RAFFIA.** We carry a large stock on hand at all times and can make special prices in bale lots. First grade, per lb., 25c; 10 lbs., \$2.00; 10 to 100 lbs., 18c per lb. Write for prices on bale lots.

**TREE LABELS.** Copper wired. Per 100, 25c; per 1,000, \$1.50.

**POT LABELS.** Per 100, 25c.

**BAMBOO CANES.** 4-ft., doz., 20c; 100, \$1.50. 5-ft., doz., 25c; 100, \$1.75.

### POTS, SAUCERS, PANS

We pack these carefully, but will not be responsible for breakage. Can only be shipped by express or freight.

#### RED CLAY FLOWER POTS

	Doz.	100	Doz.	100
2 -in.	\$0.30	\$2.00	5-in.	\$0.90 \$5.25
2½-in.	.45	2.50	6-in.	1.00 6.25
3 -in.	.50	3.00	7-in.	1.50 10.50
3½-in.	.60	3.50	8-in.	1.75 15.00
4 -in.	.75	4.00		

**PAPER FLOWER POTS.** 2½-inch, per 100, 75c; 3½-inch, per 100, \$1.25; 4-inch, per 100, \$1.50. Postage extra.

**FLOWER TUBS.** Each, \$1.25 to \$3.50.

# FARMOGERM

HIGH BRED NITROGEN-GATHERING BACTERIA FOR CLOVERS, ALFALFA, BEANS AND OTHER LEGUMES.

Farmogerm is a pure culture, or growth of nitrogen-fixing bacteria that have been selected and bred up to transform large amounts of nitrogen from the air into soluble nitrates. These bacteria are grown in a jelly, or food, in which they remain active for long periods of time, and sent out in a bottle which admits the necessary supply of pure air, yet keeps out destructive contaminations. If alfalfa can be grown on hot, sandy land of South New Jersey, why can't you grow it?

### PEAS, BEANS, SWEET PEAS

Yield earlier, longer and better when treated with Farmogerm. Farmogerm is endorsed by Farmers, Federal and State Agricultural Departments and private estates. It is delivered to you in bottles, ready for use. Can you inoculate the seed for ten acres in ten minutes.

#### COST OF FARMOGERM.

Small Farm size, 5 acres	\$6.00
Trial Farm size, 1 acre	2.00
Garden size, ¼ acre	.50
Half Garden size	.25

We make special prices to florists



### IDEAL SPRAYING OUTFIT

It has been designed to fill the requirements of the small gardener and fruit-grower. The tank holds fifteen gallons. The working parts are light, compact and easy to handle. The pump is fastened to the tank firmly, and with ordinary care this outfit will last a lifetime and give excellent results. The air chamber is large and this enables the operator to keep a uniform pressure. A pressure of

150 pounds can be easily maintained. The valves are removable and never clog. Shipping weight, 65 lbs.

The pump has the following equipment: 10 feet  $\frac{3}{8}$  pressure hose, brass shut-off cock, 10 feet pipe extension, 3 pieces, Brandt Ideal Nozzle. Price, complete, \$18.00.

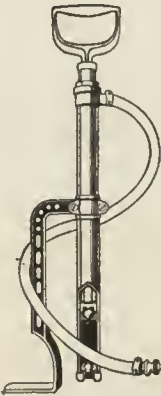
### NO. 5 KING BARREL PUMP

Made for heavy work. Easy to operate and used in connection with a hose. One man can do a great amount of work in a day. Cylinder, 2x7 inches; air chamber, 2 $\frac{1}{2}$ x30 inches. Price, complete, \$12.50. Pump only, \$10.00.

### NO. 7 BARREL PUMP

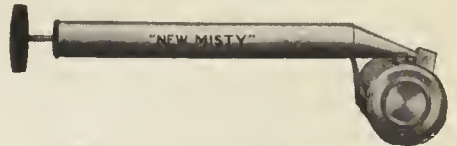
Same design as No. 5, only larger and heavier. Price, pump only, \$20.00.

### MODOC ALL BRASS PUMP



Brass ball valves, brass plunger, handle and stirrup malleable iron. Three feet of best hose, two brass nozzles, one for spray and one that will throw a stream of water. Has large air chamber, making possible a pressure of 50 to 100 lbs. The best value offered in a bucket pump. Price, each, \$3.00.

We carry a complete line of extra parts for all our pumps. Write for complete catalog. Give description, etc.



### MISTY SPRAYERS

This is the regular sprayer so commonly used by most everybody. Fine for small gardens, where you have only a few rose bushes to spray or for a hen house.

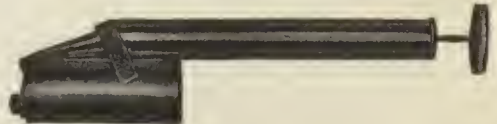
Midget. Heavy tin. Each.....	\$0.25
No. 1. Heavy tin. Each.....	.35
No. 2. Heavy tin, full quart. Each.....	.40
No. 1. Heavy galvanized. Each.....	.60
No. 1. Heavy brass. Each.....	1.00

### HAW'S GREEN HOUSE SPRINKLER

**WATERING POT.** Galvanized iron, with brass fittings and two brass roses, one fine and one coarse, with each pot. These are hard to pack and are better sent by express than by mail. 8-qt., \$2.00; 12-qt., \$2.50.

**LADIES' GARDEN SYRINGE.** Polished brass, 16x1 $\frac{1}{4}$  inches, coarse and fine spray and jet. Weight, 2 $\frac{1}{4}$  lbs. Each, \$3.50.

### PERFECT SPRAYER



This sprayer is especially designed for use of powders, such as sulphur, slug shot, etc. Each, 75c.



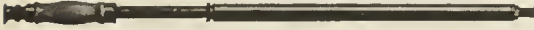
### FLORADORA POWDER GUN

Price, 35c. Postage, 5c.

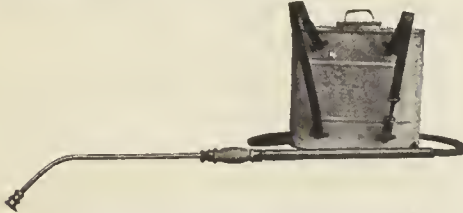
Use our Sweet Pea Fertilizer. It will produce wonderful results

## STANDARD SPRAY PUMP

This pump is the best all around spray pump on the market. It is a carefully designed and simple pump. Very few parts and nothing to get out of order, for it is simply an accurately made squirt gun. One of the best features of the pump is that it can be used for any spraying you may have about your place. It is equipped with three different nozzles, has extensions and will spray the tallest tree from the ground. Can be used with a barrel, tank, knapsack or a bucket and does its work well in all cases.



Pump without the hose attachment.



Standard Pump with "Potato" Extension and No. 3 Nozzle Attached to Knapsack



Different sprays the pump will throw.

Price, complete, with 3½ feet of hose and full set of nozzles, each, \$5.00. With knapsack attachment, \$7.50 each. Hose, 15c per foot.

## LOWELL FOUNTAIN

### COMPRESSED AIR SPRAYER

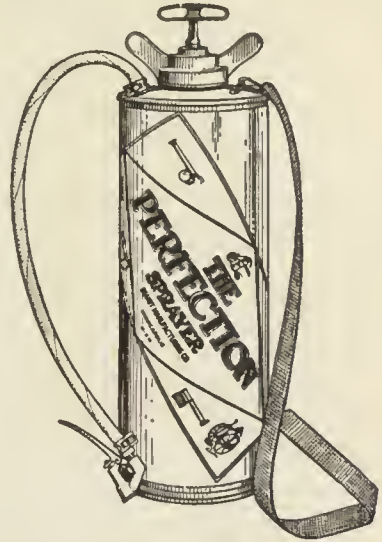
This is the handiest compressed air sprayer on the market. It is light, durable and a lady can use it very handily. The parts are all brass; the tank is heavy galvanized steel, and it will last a lifetime, as there is absolutely nothing to get out of order.

Large, 2-gal. size, \$5.50.

Small, 1-gal. size, \$4.50.

If you send east for your flower or garden seeds you are making a mistake. We can sell you as good

## THE "PERFECTION" SPRAYER



The Strongest and Most Powerful Sprayer Made

This is a sprayer of the high pressure type. It is larger, stronger and much more powerful than anything in its class, and is as near fool proof as it can be made. The barrel is 7½ inches in diameter, 20 inches high. The top is fastened after the style of the best makes of fire extinguishers. The hose is 5-ply cloth inserted. The nozzle is automatic. Capacity of sprayer, four gallons. Weight, 9½ lbs. Tested to 60 pounds before leaving factory. Built of galvanized steel.

The sprayer will handle whitewash, water, paints, Bordeaux mixtures, etc., perfectly.

Price, \$5.50 each.



## COMPRESSED AIR SPRAYER THE "EASY"

(Patented)

Strong, durable and attractive. Has a large and strong pump, automatic shut-off nozzle, legs under tanks. Can be used for whitewashing, disinfecting and cleaning chicken houses, and is very desirable for large gardens, etc. It is built of galvanized steel or brass, as ordered. Holds one gallon. Price, \$2.50.



# SPRAYING MATERIAL

## THE "DAISY" DOUBLE ACTION

(Patented)

Works both ways of stroke, giving twice the results with half the work. Will not turn over on its side and allow the liquid to run out. Holds one quart. Galvanized, \$1.00. Tin, 75c.

## LIME AND SULPHUR, NIAGARA BRAND.

The "Lime and Sulphur" Solution for San Jose scale is endorsed by experimental stations and state horticultural societies of all the fruit-growing states. It is recognized and recommended as the best known preparation for exterminating San Jose scale on all deciduous trees.

Our Lime and Sulphur Solution is made of the purest and best quality of Sublimed Sulphur and of Lime that tests 99-98 per cent pure. It is a clear, deep cherry colored liquid, free from sediment and is a beautiful product, is very reasonable in price, and its work is perfect. It is all ready to mix just as you get it. Merely add 11 gallons of water with each gallon of the Lime and Sulphur Solution. There is no sediment to clog the sprayers. No boiling to be done, which saves fuel, time, labor and annoyance. It is always alike and uniform in strength and results.

Price, qt., 25c; gal., 50c; 5 gals., \$2.00; bbl., \$9.50.

**BORDEAUX MIXTURE (Lion Brand).** For fungi, in liquid form. Dilute with 49 parts of water. Pint, 30c; qt., 50c; gal., \$1.40.

**BLUESTONE (Vitriol).** Lb., 15c; per 100 lbs., market price.

**FIR TREE OIL SOAP.** For killing green aphids. 1-lb. cake, 15c; 5-lb. cake, 60c.

**HAMMOND'S SLUG SHOT.** For destroying slugs, cabbage and turnip flea, currant worms, etc. Per lb., 15c; 5-lb. pkg., 50c.

**HELLEBORE.**  $\frac{1}{4}$  lb., 16c;  $\frac{1}{2}$  lb., 20c; lb., 35c.

**KEROSENE EMULSION.** An excellent spray for woolly aphids and clover mite. Pint, 30c; qt., 50c; gal., \$1.40.

**PARIS GREEN.** The standard of purity. Guaranteed superior to other makers. Price,  $\frac{1}{4}$  lb., 15c;  $\frac{1}{2}$  lb., 20c; lb., 35c; 2 lbs., 65c.

**BLACK LEAF "40."** Latest and best tobacco spray. One pound makes 170 gallons.  $\frac{1}{2}$ -lb. can, 85c.

**WHALE OIL SOAP.** For aphids, plant lice, etc. 1 lb., 15c; 100 lbs., \$10.00.

**SULPHUR, POWDER.** Lb., 5c; 100 lbs., market price.

**TOBACCO STEMS.** Lb., 5c; per 100 lbs., \$4.00.

**TOBACCO DUST.** Lb., 10c; 10 lbs., 70c.

**SULPHO TOBACCO SOAP.** To exterminate insects. Cake, 10c and 20c.

**NICO FUME, LIQUID.** Best spray for greenhouses; kills aphids, red spiders, mealy lug, etc.  $\frac{1}{4}$  pt. can, 50c; 1 pt., \$2.00;  $\frac{1}{2}$  gal., \$7.00; 1 gal., \$13.50.

**NICO FUME, TOBACCO PAPER.** Used for fumigating. 24 sheets, 75c; 144 sheets, \$4.00.

**BLACK LEAF "40."** A nicotine product which has been found to be the best spray for aphids of any kind. Oz., 25c;  $\frac{1}{2}$  lb., 75c; 2 lbs., \$2.50; 10 lbs., \$10.75.

## LION BRAND ARSENATE OF LEAD Dry Powdered

Mixes quickly and easily. Stays mixed longer and sticks better to affected parts than other brands. Highest percentage of killing power. Is economical and convenient. 1 lb., 40c; 5 lbs., \$1.75.

**TREE TANGLEFOOT.** For caterpillars, moths and worms. Protects against all climbing insects. One pound makes a band 9 feet long. Price, 1 lb., 30c.

**GRAFTING WAX.**  $\frac{1}{2}$  lb., 20c; 1 lb., 35c.

**KNOXWEED.** A single application kills plantain thistle and any noxious weed, top and root. Sold under positive guarantee. Dropper can, each, 50c.

## NICTENE

Rose spray for roses and other plants. After a great deal of experimenting we have perfected a very effective spray for destroying green aphids and many other insects that infest rose bushes. It is not injurious to the blossoms or foliage. Put up in graduated bottles holding enough to make two and four gallons of spray. 25c and 40c per bottle.

# CARCO

## ROOT MAGGOT SPRAY

This spray has been used very extensively by several truck gardeners during the past season on cauliflower, cabbage, onions and turnips, and they all report that it has real merit and does better work than any spray they have ever used to abate this nuisance. One user reports that on plants that were sprayed the loss was 15%, while on those not sprayed the loss was about 22%. It is diluted 100 parts, so there is very little chance of injury to the plants.  $\frac{1}{4}$  pint, 20c; pint, 35c; quart, 60c. Can be sent by mail.

You can't beat our seed and our prices are reasonable

## Spraying Calender and Formulas

There is no spraying that will cure everything. Use the ones that fit your case. Spraying, to be effective, must be well done.

<i>When to Spray</i>	<i>What to Use</i>	<i>What to Spray For</i>	<i>Notes</i>
<b>FALL</b> Just after the leaves fall. Especially for Western Washington.	Sulphur-lime	Apple cankers. Scale insects. Eggs of green aphid and red spider. Pear leaf blister mite. Wolly aphid. Eggs of tent caterpillar. Moss and lichens. Rabbits and field mice.	This spraying may be preceded by a spraying of bordeaux as soon as crop is picked; for canker only. Write for bulletin on sulphur-lime spraying.
<b>WINTER</b> While buds are swelling. Usual spraying where there is no canker.	Sulphur-lime	Bud moth; twig borer; peach-leaf curl. Scale insects. Eggs of green aphid and red spider. Wolly aphid. Rabbits and field mice. Mildew.	Too early spraying will miss these. Write for bulletin on sulphur-lime spraying.
<b>SPRING</b> (1) When flower buds are ready to open. (2) while last blossoms are falling.	Sulphur-lime  Lead arsenate 1 lb. to 50 gallons.  Sulphur-lime	Apple scab. New York apple canker. Prune brown rot or fruit mold. Codling moth. Bud moth; twig borer. Caterpillars.  Apple scab. New York apple canker.	Spray when central flower of cluster is about to open.  Use a bordeaux nozzle with a crook and spray with force from raised platform directly into every flower. Repeat immediately. If so applied, these sprayings are sufficient. Keep a few trees banded. If many worms are trapped, spray. Write for codling moth bulletin. Not advisable to mix with arsenate of lead. Omit if there is little scab.
<b>SUMMER</b> When the pest appears.	Tobacco (or kerosene emulsion).  Lead arsenate  Sulphur-lime  As a strong wash. Bordeaux	Aphis (cherry aphid, etc.) Wolly aphid on branches. Red spider. Oyster shell bark louse. Leaf hopper. Pear and cherry slug.  Caterpillars. Colorado potato beetle. Fruit spot (Baldwin spot; punk rot). Mildew. Red spider; young of oyster shell louse. Trunk borer; flat head borer. Flea beetles. Cutworms. Grasshoppers. Potato blight.	About June 15 for newly batched young. Spray early before they acquire wings. Use 1 pound to 75 gallons. Or dust with lime, ashes or road dust. Use 1 pound to 40 gallons. Early in July. (Treatment in the experimental stage.) Keep trunk coated all summer; best to add excess lime. As a repellent. July 1 to 15; repeat in two weeks. If much blight near by, give third application two or three weeks later.

	<i>What to Spray for</i>	<i>Notes</i>
<i>Pests controlled by other remedies than spraying</i>	Pear blight (fire blight of pear and apple).	Prune out every sign of blight, cutting well below the disease. Swab every cut with corrosive sublimate (1 to 1,000 of water). Clean the tool often with carbolic acid, or you will spread the blight with each cut.
	Western tomato blight.	Set out strong plants close together, or plant the seed thickly in the rows. Give best of care, shade and plenty of water. You will probably lessen the blight.
	Potato scab.	Soak seed for two hours in formalin (1 lb. to 30 gallons of water), then cut and plant. Do not plant in soil where scabby potatoes were grown.
	Smut of wheat and oats.	Spray seed thoroughly with formalin (1 lb. to 45 gallons of water; cover and let lie in a pile two hours; dry and plant with a clean seeder.

# High Grade Fertilizers and Lawn Dressing

These fertilizers contain in a concentrated form the necessary proportions that different plants require to produce fine flowers and vegetables. By adding what the ground needs, you are assured of fine results, and your labor and expenditures are repaid several times over. Different bowers and vegetables require different fertilizers. If our list does not mention your requirements we will be pleased to advise you fully. Owing to the fact that it is impossible to obtain potash in any form, we are increasing the amount of nitrate and phosphate, thus helping out the part which is wanting.

## SUPERIOR ODORLESS LAWN AND ROSE FERTILIZER Very Quick Acting

Tested by the State Chemist.

The constant moving of the lawn and removing of the cuttings removes large quantities of the nourishment of the soil. This has to be replaced. If you desire the lawn to have the rich green coloring and assure yourself of a lawn the year around our Superior Lawn Fertilizer should be used at least once a year. It should be scattered broadcast during the early spring, to obtain the best results, although it can be used during the fall or winter. About 50 lbs. to 1,000 square feet. It is odorless and there is no possibility of putting weed seed into your lawn.

### PRICE.

5 lb. pkg. -----	\$0.25
10 lb. sack -----	.40
25 lb. sack -----	.75
50 lb. sack -----	1.35
100 lb. sack -----	2.50

## SEA PRO CO.

### GRASS AND ROSE FOOD.

A concentrated fish fertilizer testing very high in nitrogen and a fertilizer which will produce a very quick growth.

5 lb. pkg. -----	\$0.35
10 lb. sack -----	.90
25 lb. sack -----	1.75

## SHEEP GUANO

Pure pulverized sheep manure is the most nutritious of the animal fertilizers. It promotes steady and rapid growth. We recommend it very highly for use in greenhouses, as well as for garden purposes. Price, per sack, \$1.50; per ton, \$25.00.

## ALASKA WHALE FERTILIZER

Nitrogen 8.96%, Phosphoric Acid 28.23%.

A balanced fertilizer especially adapted for vegetable and flower gardens. It is made from the entire carcass of the Alaska whale after the oil has been extracted and is far superior to any other fish fertilizer. It produces wonderful results when used in the orchard or around berry bushes. From 6 to 10 pounds applied to a bearing fruit tree is sufficient and the results produced are marvelous.

100 lb. sack, \$3.00.

## BONE MEAL

Nitrogen 3%, Phosphoric Acid 15%.

Decomposes slowly in the soil and is therefore an excellent permanent fertilizer. Fine for top dressing on lawns on account of its lasting qualities. Five pounds placed whole before planting rose bushes will produce great results. Our bone meal is made from fresh bones, and has not lost any of its value. The quantity to use depends entirely upon the purpose for which it is used. Light applications are beneficial, but for permanent work, such as forming soil for lawns, rose beds, etc., it should be used in very large quantities, the more the better.

100 lb. sack, \$3.00.

## BLOOD AND BONE

Nitrogen 4%, Phosphoric Acid 12%.

Is quick acting and on account of its richness in nitrogen and phosphate is a very desirable fertilizer. Best used around roses just before exhibition time. An animal fertilizer, rich in nitrogen and phosphoric acid, and having additional value on account of a certain warmth and vitality which it imparts to the soil. It is a quick acting fertilizer, and for that reason it is for some purposes more valuable than bone meal, although the effect is not so lasting. It should not be applied a great length of time before the seed is planted, and may be used as a top-dressing. It is usually applied at the rate of 500 to 1,000 lbs. per acre.

100 lbs., \$2.50.

## EVERGREEN BRAND

A fertilizer especially put up for potted plants. Revives and furnishes a plant food. ½ lb., 30c.

## NITRATE OF SODA

Nitrogen 13%.

Nitrate of Soda contains 13% or more of nitrogen in quickly available form, and is generally used as a top-dressing. It is seldom advisable to apply it on the soil before the seed is sown, for the reason that all the benefits will be had from it within two or three weeks, and if the plants are not ready to make use of all the plant food some of it will be lost.

It is best applied in several light applications of about 150 lbs. each per acre, at intervals of two or three weeks, during the early growing season. If applied too late, the plants will continue to grow foliage, and maturity will be retarded. It is used for forcing such crops as lettuce, celery, radishes, etc., requiring a quick growth, and produces wonderful results.

100 lbs., \$4.50; 220 lbs., \$8.80.

We make special prices to market gardeners on Peas in 100-lb. lots



# High Grade Fertilizers and Lawn Dressing

## LAND PLASTER, OR GYPSUM

Land Plaster is not really a fertilizer, as it contains no plant food, but it causes a chemical change in the soil, releasing the potash which is already there in unavailable form. It is very beneficial to clover, alfalfa, peas, beans, and other legumes. 100 lbs., \$1.25; ton, \$16.00.

## POTASH

On account of the war we are unable to supply any potash as the supply all comes from Europe, and it is impossible to ship any in at this time.

## SUPERPHOSPHATE

### GUARANTEED ANALYSIS:

Phosphoric Acid 17%.

This is what is known as Acid Phosphate, being phosphate rock treated with acid to make the phosphoric acid available. While the phosphoric acid in this is not so valuable as that in bone meal, it is more quickly available, and in some cases more useful.

Superphosphate is recommended as a top-dressing for grass lands and for grain. It is generally used at the rate of 500 to 1000 lbs. per acre. Packed in 125 lb. sacks. 100 lbs., \$1.50; ton, \$26.00.

## GROUND ROCK PHOSPHATE

Raw phosphate rock finely ground. It is slower acting than superphosphate, and is recommended by many manufacturers as the most economical form of phosphoric acid. 100 lbs., \$1.25; ton, \$20.00.

# GROUND LIME ROCK

90% Calcium Carbonate.

Ground to 100 Mesh Fine.

Especially prepared for use on the lawn and garden. Based on chemical analysis, it may safely be said that practically all the soil in the Puget Sound district is in need of lime. Different sections require different amounts, but from wide experiments it has been shown that practically all the land needs at least 2,000 pounds per acre. This applies to gardens and farms; for lawns a fair application is 100 pounds to 2,000 square feet. After wide experiments it has been found that the Lime Rock is much superior to other forms of lime, as it is not caustic and will not destroy the humus in the soil. It can be applied to a growing crop without any chance of injury.

### BRIEF POINTS ON LIMING.

1. The different forms of lime contain different amounts of calcium.
2. To improve a poor, acid soil, plow under manure, apply lime and disc in, and grow legume crops in the rotation as much as possible.
3. Lime corrects acidity, but rarely acts as a true fertilizer.
4. Use burnt lime with caution.
5. Ground limestone and thoroughly air slaked lime are not injurious to soils or crops.

6. Lime is not a "cure all" for every soil ailment.

Lime will not take the place of manure or commercial fertilizers, nor will manure or commercial fertilizers take the place of lime.

5 lb. pkg. -----	\$0.25
50 lb. sack -----	.75
100 lb. sack -----	1.00
2000 lb. sack -----	10.00

We allow 7½¢ each on all lime sacks purchased from us which are returned within a reasonable time in good condition.

This price is for delivery any place in the city and to docks and depots.

To obtain the best results use our Fertilizer

## Quantity of Seed Required

Quantity per Acre.

Alfalfa	-----8 to 15 lbs.
Alsyke	-----6 to 10 lbs.
Barley	-----100 lbs.
Beans, Dwarf, 1 lb. to 100 feet of drill	50 lbs.
Beans, Tall, 1 lb. to 150 hills	25 lbs.
Beet, Garden, 1 oz. to 50 feet of drill	5 lbs.
Beet, Sugar, 1 oz. to 50 feet of drill	5 lbs.
Beet, Mangel Wurzel, 1 oz. to 50 feet of drill	5 lbs.
Buckwheat	-----45 lbs.
Cabbage, 1 oz. for 1500 plants	1/2 lb.
Carrot, 1 oz. to 125 feet of drill	3 lbs.
Cauliflower, 1 oz. to 2000 plants	3 ozs.
Celery, 1 oz. to 5000 plants	1 lb.
Clover, White and Alsyke	-----6 to 10 lbs.
Clover, White, for Lawns	-----25 to 100 lbs.
Clover, Red, Mammoth and Crimson	-----12 to 20 lbs.
Corn, Sweet, 1 lb. to 200 hills	-----15 lbs.
Corn, Field	-----12 to 20 lbs.
Corn, Fodder	-----125 lbs.
Grass, Lawn, 1 lb. to 300 square feet	-----145 lbs.
Grass, Kentucky Blue, Canadian Blue	-----20 lbs.
Timothy	-----25 lbs.
Rye Grass, Oat Grass, Fescue Grasses	-----30 lbs.
Orchard Grass	-----40 to 60 lbs.
Hemp	-----40 to 50 lbs.
Kale, Thousand Headed	-----1 lb.
Millet	-----30 lbs.
Oats	-----75 lbs.
Onion, 1 oz. to 250 feet of drill	-----5 lbs.
Onion Sets, 1 lb. to 75 feet of drill	-----400 lbs.
Parsnip, 1 oz. to 200 feet of drill	-----6 lbs.
Peas, Garden, 1 lb. to 50 feet of drill	-----200 lbs.
Peas, Field	-----150 lbs.
Potatoes	-----400 lbs.
Radish, 1 oz. to 100 feet of drill	-----10 lbs.
Rape, Dwarf Essex	-----5 to 10 lbs.
Rye	-----90 to 120 lbs.
Spinach, 1 oz. to 100 feet of drill	-----8 lbs.
Turnip, 1 oz. to 2000 plants	-----4 oz.
Turnip, 1 oz. to 150 feet of drill	-----3 lbs.
Vetches, Spring	-----60 to 90 lbs.
Wheat	-----90 to 120 lbs.

## Usual Distances for Planting

Beans, Bush, drills 2 to 3 feet apart.  
 Beans, Pole, 3 to 4 feet each way.  
 Beets, Early, drills, 12 to 18 inches apart.  
 Beets, Late, drills, 2 to 3 feet apart.  
 Blackberries, erect growing, 6 to 9 by 4 feet.  
 Blackberries, Mammoth and Himalaya, 8 by 4 ft.  
 Cabbage, Early, 16 by 30 inches.  
 Cabbage, Late, 24 by 30 inches.  
 Carrots, drills, 1 to 2 feet apart.  
 Corn, Sweet, 3 to 3 1/2 feet by 9 to 24 inches.  
 Corn, Field, 3 1/2 to 4 feet each way.  
 Cucumber, 4 to 5 feet each way.  
 Currants, 5 by 3 feet.  
 Egg Plant, 3 by 3 feet.  
 Lettuce, drills 18 inches apart.  
 Melon, Musk, 5 to 6 feet each way.  
 Celery, rows 3 to 4 feet, 6 inches in row.  
 Cherry Trees, 15 to 20 feet each way.  
 Cauliflower, 2 by 2 to 2 by 3 feet.  
 Apple Trees, 20 to 30 feet each way.  
 Asparagus, 3 to 4 by 2 feet.  
 Gooseberries, 5 by 3 feet.  
 Grapes, 8 by 8 to 10 by 12 feet.  
 Melon, Water, 7 to 8 feet each way.  
 Onions, drills, 14 to 20 inches apart.  
 Parsnip, drills 18 to 36 inches apart.  
 Peach Trees, standard, 20 to 25 feet each way.  
 Pear Trees, dwarf, 12 to 15 feet each way.  
 Peas, drills, 2 to 3 feet apart.  
 Pepper, 15 to 18 inches by 2 to 2 1/2 feet.  
 Plum Trees, 15 to 20 feet each way.  
 Potatoes, 12 to 18 inches by 2 1/2 to 3 feet.  
 Pumpkins, 8 to 10 feet each way.  
 Quince Trees, 15 each way.  
 Radish, drills, 10 to 18 inches apart.  
 Raspberries, 6 to 8 by 3 feet.  
 Rhubarb, 2 to 4 feet by 3 feet.  
 Salsify, drills 18 to 24 inches apart.  
 Spinach, drills 12 to 18 inches apart.  
 Squash, Bush, 3 to 4 feet by 4 feet.  
 Squash, Running, 12 feet each way.  
 Strawberries, Hills, 36 to 18 inches.  
 Strawberries, Matted Rows, 48 to 12 inches.  
 Sweet Potatoes, 2 feet by 3 to 4 feet.  
 Tomato, 4 feet by 4 to 5 feet.

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Alfalfa	-----31			Onions	3-17-18	Strawberry Plants	-----29
		F		"    Sets	-----19	Shade Trees	75-76-77-78
B		Field Grasses	32-33	Oats	-----34	Shell & Grit Boxes	-----85
Beans, Dwarf	3-6	"    Seeds	-----34	Ornamental Trees	75-76-77-78	Seeders	-----88
"    Pole	-----6	Flax	-----34			Sprayers	90-91
"     Lima	-----6	Flower Seeds	36 to 50			Sprays	-----92
Beets	-----3-8	Fertilizers	94-95	P		Spraying Calendar	-----93
Brussel Sprouts	-----9	Flowering Shrubs	74-78	Peas, Sweet	50 to 54	Sudan Grass	-----35
Broccoli	-----9	Fruit Trees	81 to 84	"    Garden	4-21-27	Sunflower	-----33
Barley	-----34	Farmogerm	-----89	"    Field	-----34		
Buckwheat	-----35			Parsley	-----23		
Bulbs, Summer	-----59	G		Pepper	-----19	T	
Brooders	-----85	Grasses	32 to 36	"    Plants	-----29	Turnips	4-28
Bee Supplies	-----87	Gladiolus	-----58	Parsnips	4-19	Tomato	-----29
Blackberries	-----83	Gooseberries	-----82	Potatoes	4-22	"    Plants	-----29
		Grapes	-----83	Pumpkins	-----23	Tables	30-33
		Grit & Shell Boxes	-----85	Plants, Vegetable	-----29	Trees	75-76-77-78-79
		Garden Tools	-----89	"    Flower	60 to 62	Thermometers	-----87
C				Pansies	-----46	"    Incubator	-----87
Chives	-----29	H		"    Plants	-----61	"    Brooders	-----87
Cneumbers	3-12	Herbs	-----5	Pears	-----81	Tools	89-90-91
Cabbage	4-10	Horseradish	-----29	Plums	-----81	V	
"    Plants	-----29	Hovers	-----85	Peaches	-----81	Vines, Climbing	-----73
Cauliflower	-----29			Pumps	90-91	"    Berry	82-83
"    Plants	3-13	I		Plows	-----88	Vegetable Seeds	3-29
Carrots	-----11	Incubators	-----84	Poultry Supplies	85-86	"    Plants	-----29
Celery	-----11			Prunes	-----82	Vetch, Spring	-----34
"    Plants	-----29	K		Peonies	-----59	"    Winter	-----34
Corn, Sweet	3-14-15	Kohl Rabi	-----15			W	
"    Field	15-35	L		R		Watermelon	-----17
Clovers	-----31	Lettuce	3-16	Rye	-----34	Weeders	-----89
Climbers	-----72	Leek	-----15	Rape	-----34	Wheat, Spring	-----34
Cherries	-----81	Lawn Grass	-----32	Roses	62 to 73	"    Fall	-----34
Currants	-----82	Lilies	-----55	Raspberries	-----83	Water Lilies	-----59
Chicken Remedies	-----86	Logan Berries	-----82	Remedies	-----86		
Cultivators	-----88	Leg Bands	-----87	Root Maggot	-----92	Z	
		Lime & Sulphur	-----92	Radish	4-23-74	Zenoleum	-----86

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# TESTED SEEDS

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THIS should mean a great deal to every planter, no matter how large or small, for it means one less chance of a crop failure. Besides making a test in our thoroughly equipped tester, to be assured that all the seeds we sell come up to the standard in germination, we have gone to a great expense and have fitted up the finest testing ground in the West in which all seeds we offer for sale will be tested, to be assured that they are true to name and also a further test of the germination.

Bear this fact in mind when ordering this year's seeds, and buy from a house who is endeavoring to insure your crop against a possible failure from poor seed. Purchase our Tested Seeds and by proper care they will give you results.

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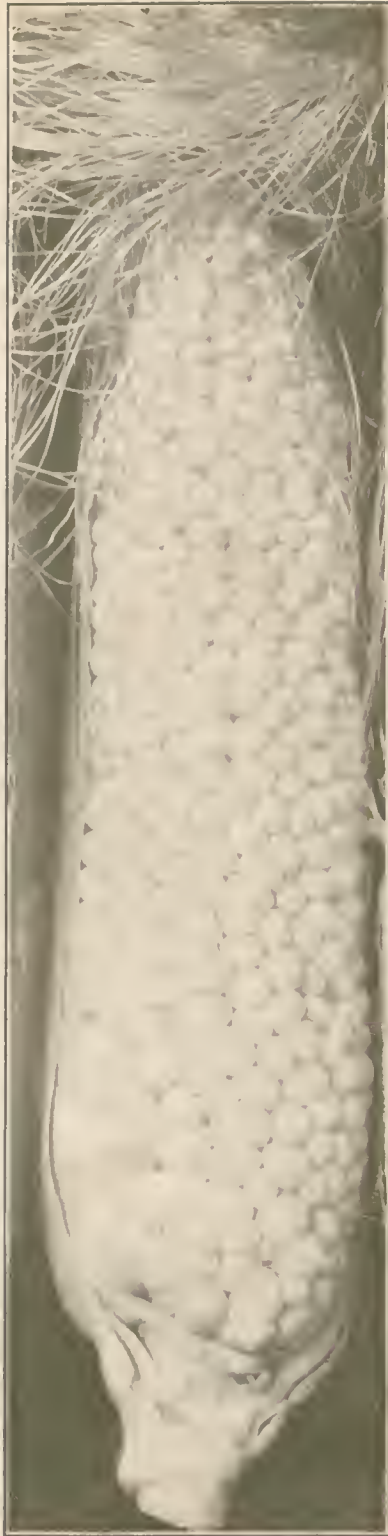
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(Pike Place Market)

Seattle, Wash.

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COUNTRY GENTLEMAN